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Survey of Town Gas and By-Product Production and Locations in the U.S. (1880-1950)

Radian Corp., McLean, VA

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SURVEY OF TOWN GAS AND BY-PRODUCT PRODUCTION AND LOCATIONS IN THE U.S.

(1880-1950)

by

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16. ABSTRACT

The report gives data compiled from available literature identifying plants that manufactured town gas from fossil fuels (e.g., coal, oil) and which existed in the U.S. from 1889 to 1950. The results are the first step of a preliminary study to investigate the fate and potential environmental impact of by-products (e.g., tar) from the manufactured gas industry. A list of gas manufacturing sites and company names was compiled by reviewing published gas statistics. It is estimated that more than 1,500 manufactured gas facilities existed from 1889 to 1950. In addition, available gasifier/process information and gas and by-product production data are reported. Based on these data, a rough (order of magnitude) estimate for the toyal production of tar by the U.S. manufactured gas industry was developed. It is estimated that about 15 trillion cu ft of gas was manufactured in the U.S. from 1880 to 1950, resulting in the production of 11 billion gal. of tar as a by-product. Of this estimated tar production, some tars were consumed at the plant site or sold and any excess discarded. Excess quantities of other by-products, such as coke and ammonia, may have been disposed of also. However, this study focused on tar because it is considered the more potentially significant waste disposal problem. The explanations and assumptions used in compiling the data are also discussed.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. Dis DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
Pollution	Pollution Control	13B
Manufactured Gas	Stationary Sources	21D
Fossil Fuels	Town Gas	
Tars		07C
Coal Gasification		13H
Fuel Oil		11H

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FOREWORD

This work was initiated due to several questions asked of this office regarding the potential environmental problems from waste disposal of previous gasification-type activities. From our knowledge of synthetic fuels' production, we were aware that tars were generated and were likely disposed of from at least some of the old gas works, such as town gas producers. In order to obtain a firmer basis for deciding what level of effort might be appropriate to evaluate the potential problem, a quick survey to determine the quantities of waste tars and general locations of sites was initiated.

As the survey progressed, the interest in this area grew. However, with a few exceptions, the original intent was held firm, for it quickly became apparent that there were many questions being raised which could take considerable time and effort to answer. Some of these are: what are exact locations of disposal sites within each town; for what is the land now being used; what and how much wastes were disposed of at each site; what disposal method was used; what were, are, or will be the environmental and health impacts of disposal; should remedial action be taken; and are waste recovery and reuse options feasible. The intent was not to answer these questions but to provide information to allow responsible individuals to decide whether there is sufficient concern to warrant additional activity. Thus, what is presented here is an attempt to present facts with some scientific extrapolations, where necessary, and to avoid emotion and conjecture in an effort to present to policy and decision makers a sound basis for their consideration.

Frank T. Princiotta

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CONVERSION FACTORS AND DEFINITIONS OF SYMBOLS

BTU = British Thermal Unit (quantity of heat required to raise the temperature of one pound of water one degree Fahrenheit) = approximately 252 calories

BTU/scf = Heating value of a gas

gal = U.S. gallons

lbs = Mass pounds (5×10^{-4} tons)

M = One Thousand (1,000)

MM = One Million (1,000,000)

scf = Standard cubic feet measured at 60 °F and 30 in. Hg.

ton = Short ton (2,000 lbs)

yr = Year

Joule = 9.486×10^{-4} BTU

kg = 2.20462 lbs

m^3 = 35.3145 ft^3 = 264.17 gal

Standard conditions: 273 K, 1 atm

ABSTRACT

This report presents data compiled from available literature identifying plants that manufactured town gas from fossil fuels (e.g., coal, oil) and that existed in the U.S. during the 1889 to 1950 time period. The results are the first step of a preliminary study to investigate the fate and potential environmental impact of by-products (such as tar) from the manufactured gas industry. A list of gas manufacturing sites and company names was compiled by reviewing published gas statistics. It is estimated that more than 1,500 manufactured gas facilities existed between the years 1889 and 1950. In addition, available gas and by-product production data and gasifier/process information are reported.

Based on these data, a rough (order of magnitude) estimate for the total production of tar by the U.S. manufactured gas industry was developed. It is estimated that approximately 15 trillion cubic feet of gas was manufactured in the United States between the years 1880 and 1950, resulting in the production of 11 billion gallons of tar as a by-product. Of this estimated tar production, some tars were consumed at the plant site or sold and any excess discarded. Excess quantities of other by-products, such as coke and ammonia, may have been disposed of also. However, this study focused on tar because it is considered the more potentially significant waste disposal problem. The explanations and assumptions used in compiling the data as well as those used in developing the tar estimates are also discussed in this report.

SECTION 1

INTRODUCTION

BACKGROUND

Prior to the widespread use of natural gas, the United States relied, in part, on town gas produced from fossil fuels (predominantly coal) for heating and lighting purposes during the 1800s and early 1900s. The manufacture of town gas typically resulted in the production of by-products (including tar) from the gas purification processes. These by-products would have been sold or utilized to the extent possible; however, any excess may have been disposed of in some manner. The potential environmental impact of the disposal of solid wastes (particularly unsold and non-utilized by-product tars) from the manufacture of town gas has become a recent area of interest. Because of the large size of this industry, this may be one of the largest generic sources of waste (in terms of number of disposal sites). As a preliminary step in evaluating the potential problems, a literature search and subsequent data compilation have been completed in order to identify the gas manufacturing sites that existed and the amount of by-products (especially tars) that were produced.

Historically, the term town gas was used to generically refer to any combination of combustible gases distributed from localized sources to end users. Town gas could be either natural gas or gas produced from the heating of fossil fuels. However, in this report, it is used to refer only to manufactured gas. Manufactured gas is of concern in this study because of the significant amounts of wastes that could be associated with typical gas manufacturing processes. These processes can be classified as either carbonization or gasification, which are distinguished primarily by the type of gas produced and the feedstock. Carbonization, or the heat treatment of coal in the absence of oxygen, produced a predominantly methane/hydrogen gas called coal gas. Primary by-products that resulted from purification were tar, coke, and ammonia. Passing steam through hot coal or coke, a process known as gasification, produced water gas, which is comprised mainly of hydrogen and carbon monoxide. Tar, coke, and ammonia by-products were formed, however in lesser amounts than formed during carbonization. Water gas could be enriched with oil gas to form "carburetted water gas" to give it a higher heating value. Oil gas was produced by the thermal cracking of oil achieved by spraying oil onto hot brickwork or a bed of hot catalyst. Typical by-products resulting from oil gasification were oil derivatives, tar, and naphthalene.

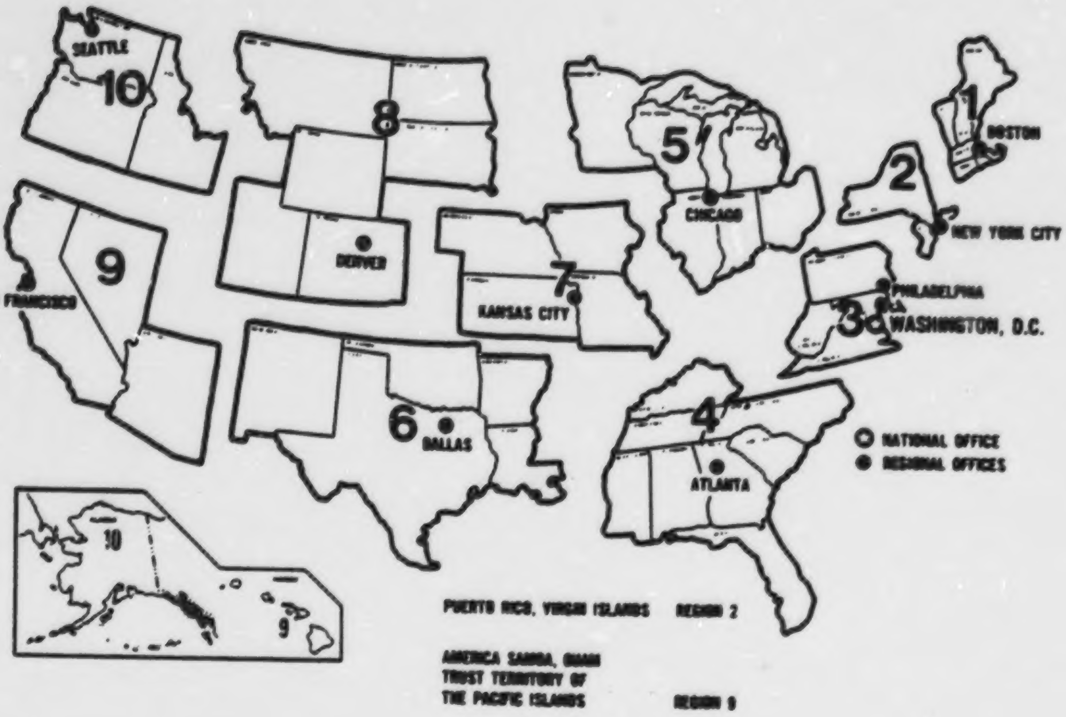
PROJECT OVERVIEW

The purpose of this study is to review and summarize pertinent data available in the open literature on the manufactured gas industry so that a preliminary assessment can be made of the quantities of solid wastes that may have been disposed of at gas manufacturing sites. The following steps (listed in chronological order) were taken to accomplish this purpose within the scope of the project:

1. A literature search was performed to identify possible sources of data, with special attention to sources containing detailed site and by-product information.
2. Based on the available information found in the open literature, data were compiled on plant location, manufacturing process type, and gas and by-product production rates.

3. A rough estimate for the total tar produced in the U.S. manufactured gas industry was developed based on the compiled data.
4. This summary report was prepared to present the data and provide documentation of assumptions used in the development of the data tables and the tar production estimates.

Details regarding the first three steps just mentioned are given in Section 2 (Approach and Results). Summary data tables are arranged according to EPA regions, as shown in Figure 1, and are presented in Section 2. Regional maps are presented individually in Section 2. Appendix A contains sample pages from the primary data source and descriptions of the different manufactured gas types and water gas processes. A detailed data table which presents the site-by-site information collected during the data compilation phase is presented in Appendix B.


SEATTLE
10
8
5
1
BOSTON
2
CHICAGO
NEW YORK CITY
DENVER
9
SAN FRANCISCO
7
KANSAS CITY
PHILADELPHIA
3
WASHINGTON, D.C.
6
DALLAS
4
ATLANTA
○ NATIONAL OFFICE
● REGIONAL OFFICES
10
9
PUERTO RICO, VIRGIN ISLANDS REGION 2
AMERICA SAMOA, GUAM
TRUST TERRITORY OF
THE PACIFIC ISLANDS REGION 9

STATE/TERRITORY	EPA REGION	STATE/TERRITORY	EPA REGION	STATE/TERRITORY	EPA REGION
ALABAMA	4	KENTUCKY	4	OHIO	5
ALASKA	10	LOUISIANA	6	OKLAHOMA	6
AMERICAN SAMOA	9	MAINE	1	OREGON	10
ARIZONA	9	MARYLAND	3	PENNSYLVANIA	3
ARKANSAS	6	MASSACHUSETTS	1	PUERTO RICO	2
CALIFORNIA	9	MICHIGAN	5	RHODE ISLAND	1
COLORADO	8	MINNESOTA	5	SOUTH CAROLINA	4
CONNECTICUT	1	MISSISSIPPI	4	SOUTH DAKOTA	8
DELAWARE	3	MISSOURI	7	TENNESEE	4
DIST.OF COL.	3	MONTANA	8	TEXAS	6
FLORIDA	4	NEBRASKA	7	UTAH	8
GEORGIA	4	NEVADA	9	VERMONT	1
GUAM	9	NEW HAMPSHIRE	1	VIRGIN ISLANDS	2
HAWAII	9	NEW JERSEY	2	VIRGINIA	3
IDAHO	10	NEW MEXICO	6	WASHINGTON	10
ILLINOIS	5	NEW YORK	2	WEST VIRGINIA	3
INDIANA	5	NORTH CAROLINA	4	WISCONSIN	5
IOWA	7	NORTH DAKOTA	8	WYOMING	8
KANSAS	7				

Figure 1. States vs. EPA Regions

SECTION 2

APPROACH AND RESULTS

GENERAL SECTION DESCRIPTION

This section presents summaries of the compiled data in tabular and graphical form, as well as discussion of the general approach to the data compilation and tar production estimation. The comprehensive data table, which represents the detailed results of this study, is included in Appendix B. Section 2 is divided into four parts. The first part is concerned with the source of data and the general approach taken to compile useful data. The second part presents the summary data tables and discusses points to consider in using the data, as well as corresponding explanations of column headings and assumptions made in data compilation for each of the tables. This part also includes maps showing the plant sites reported in the year 1890 to give the reader an overall visual impression of the breadth and number of these sites. The main map is broken down into 10 individual maps, each showing a separate EPA region. The third part discusses the steps and assumptions used to develop the tar production estimate. The final part briefly discusses gas manufacturing by-products/wastes other than tar.

SOURCE OF DATA

The primary source of information in this study was Brown's Directory of American Gas Companies (referred to hereafter as Brown's), an annual publication (since 1887) that contains statistics for the U.S. gas industry. It was the only source found which allowed identification of individual plant sites over a wide time period. In addition, gas and by-product production data were reported (although the latter was not reported until later years - circa 1920). Example pages from the 1890 and 1950-1951 editions of Brown's are presented in Appendix A to show the extent and detail of the information reported. The information in Brown's is based primarily on surveys completed by each gas company. The data were compiled and published in the directory. The use of surveys most likely resulted in some degree of inconsistency and incompleteness in the reported information.

Based on the scope of the study and the available time and information, data were compiled from Brown's for every tenth year beginning in 1890 and ending in 1950, for a maximum of seven years of data for each site. This approach should include almost all manufactured gas plants reported in Brown's because it is reasonable to believe that most plants operated for at least 10 years. It should be noted that production data reported in Brown's refer to the previous year's operation (e.g., gas production reported in the 1900 edition referred to production for the year 1899). Throughout the remainder of this report, the term "decennial years" will be used to refer to the years (or volumes of Brown's) in which data were reported (1890, 1900, 1910, 1920, 1930, 1940, and 1950).

SITE IDENTIFICATION TABLES AND MAPS

This section presents the summary data tables and corresponding discussion for each table, including the main data table (Table B-1) found in Appendix B. Table 1 shows site tallies and total gas productions by state/territory for the time period, 1880 to 1950. Table 2 shows average production rates for plants having an average total production greater than 200 million scf/year. In order to simplify the anticipated use and evaluation of the data shown in Tables 1 and 2, the states/territories are arranged according to their respective EPA regions. Figure 1 shows the correspondence between the states/territories and EPA regions, as well as the EPA regional offices. Details for each table are described below.

Production Rate by State/Territory

Table 1 presents two important pieces of information for each state: the total number of sites reported and the estimated manufactured gas production, both for the time period 1880 to 1950. The STATE/TERRITORY column includes all 50 U.S. states as well as U.S. territories which are part of EPA regions. The NUMBER OF SITES indicates the number of plants for each state/territory which were reported to manufacture gas during at least one of the decennial years. As shown in the total, approximately 1,500 manufactured gas sites were identified between 1890 and 1950. Details regarding the gas and by-product production data may be found in Table B-1 and its discussion in Appendix B.

TABLE 1. SUMMARY OF TOWN GAS SITES AND PRODUCTION BY STATE (1880-1950)

EPA REGION	STATE/TERRITORY	NUMBER OF SITES	NUMBER OF LARGE SITES (2)	NO. GAS DATA PTS. (3)	ESTIMATED PRODUCTION OF MANUFACTURED GAS (MM scf) (4)
1	CONNECTICUT	25	11	106	331,000
1	MAINE	16	2	53	67,000
1	MASSACHUSETTS	89	23	329	1,102,000
1	NEW HAMPSHIRE	17	3	62	57,000
1	RHODE ISLAND	7	2	33	240,000
1	VERMONT	12	0	48	19,000
2	NEW JERSEY	74	11	168	1,219,000
2	NEW YORK	156	31	418	4,422,000
2	PUERTO RICO	2	1	2	5,000
2	VIRGIN ISLANDS	NR	NR	NR	NR
3	DELAWARE	7	1	23	29,000
3	DIST.OF COL.	2	1	10	277,000
3	MARYLAND	16	2	60	597,000
3	PENNSYLVANIA	138	14	408	1,208,000
3	VIRGINIA	18	4	90	210,000
3	WEST VIRGINIA	9	1	21	9,000
4	ALABAMA	15	1	46	26,000
4	FLORIDA	23	6	88	150,000
4	GEORGIA	19	2	76	100,000
4	KENTUCKY	21	2	59	91,000
4	MISSISSIPPI	10	0	28	9,000
4	NORTH CAROLINA	28	1	86	74,000
4	SOUTH CAROLINA	11	2	33	45,000
4	TENNESSEE	15	4	38	80,000
5	ILLINOIS	91	14	262	831,000
5	INDIANA	60	11	182	466,000
5	MICHIGAN	69	9	247	625,000
5	MINNESOTA	30	3	77	133,000
5	OHIO	90	2	186	101,000
5	WISCONSIN	42	6	166	357,000

(continued)

TABLE 1 (continued)

EPA REGION	STATE/TERRITORY	NUMBER OF SITES	NUMBER OF LARGE SITES (2)	NO. GAS DATA PTS. (3)	ESTIMATED PRODUCTION OF MANUFACTURED GAS (MM scf) (4)
6	ARKANSAS	9	0	14	3,000
6	LOUISIANA	7	0	9	29,000
6	NEW MEXICO	4	0	9	2,000
6	OKLAHOMA	5	0	5	1,000
6	TEXAS	32	2	56	40,000
7	IOWA	62	4	212	189,000
7	KANSAS	23	0	40	6,000
7	MISSOURI	35	4	116	224,000
7	NEBRASKA	22	2	61	94,000
8	COLORADO	15	1	38	46,000
8	MONTANA	6	0	13	5,000
8	NORTH DAKOTA	7	0	22	14,000
8	SOUTH DAKOTA	11	0	33	13,000
8	UTAH	3	1	7	9,000
8	WYOMING	3	0	6	1,000
9	AMERICAN SAMOA	NR	NR	NR	NR
9	ARIZONA	12	0	30	15,000
9	CALIFORNIA	91	7	188	486,000
9	GUAM	NR	NR	NR	NR
9	HAWAII	2	1	6	31,000
9	NEVADA	6	0	11	3,000
10	ALASKA	NR	NR	NR	NR
10	IDAHO	3	0	5	2,000
10	OREGON	14	1	29	221,000
10	WASHINGTON	18	3	50	172,000
TOTALS:		1502	196	4365	14,486,000

FOOTNOTES:
1. "NR" signifies that data were not reported.
2. Plants with total average gas productions greater than 200 MM scf/year are considered large sites.
3. Number represents total number of data points reported or total number of decennial years for all sites in the state for which data were reported.
4. Estimated gas productions are calculated for the time period, 1880 to 1950 as the sum of the reported data for the decennial years (between 1890 and 1950) multiplied by ten to interpolate between decennial years.

Caveats and uncertainties associated with Table 1 are listed and explained below.

- The number of identified sites is based solely on the total number of entries reported in *Brown's* for every tenth year.
- Estimated gas production for 1880 to 1950 is simply the sum of all reported data (for every tenth year) multiplied by 10 years.

Because the number of sites is based solely on the total number of entries found in every tenth *Brown's* publication between the years 1890 and 1950, the total number of sites is probably underestimated. One reason is that not all existing sites or plants may have been identified by *Brown's*. In addition, other sites may have been identified in some of the annual publications not reviewed in this program. Finally, although there was generally a one-to- one correspondence between reported entries and individual plant sites, a single entry was occasionally reported for a plant or company which had multiple plant sites. The best estimate for the number of separate sites was included in the site tally shown in Table 1. Usually these separate sites were consolidated into a larger plant/company (for which the single entry was found) and were already counted as individual sites in previous years.

The estimated gas production for 1880 to 1950 is based on the sum of all reported data for the decennial years and multiplied by 10. This should minimize any bias in extrapolating these data to account for plants or years in which gas was determined to be manufactured but data were not reported. Thus, the reported gas production estimate may be low. However, most instances in which no data were reported involved relatively small plants whose manufactured gas productions probably represent a minor contribution to the total production.

Production From Largest Plants

Table 2 provides an intermediate summary of the detailed data presented in Table B-1, showing average annual values for gas and by-product production rates for plants with total average gas productions greater than 200 million cubic feet/year. For states or territories which do not have plants with productions above this cut-off, data for the plant with the largest production are presented in this table and marked with an asterisk. The yearly gas production rates for each type of gas manufactured were calculated by averaging the quantity produced only over the years for which that type of gas was manufactured. Total gas production rates were determined by adding the amount of all types of gas produced during a decennial year, and calculating the average production over all decennial years in which any gas was produced. For example, Denver, Colorado manufactured coal gas over four decennial years (1890, 1900, 1910, and 1920) and water gas over two decennial years (1910 and 1920). Therefore, coal gas production is averaged over four years and water gas over only two years. Average total gas production is the sum of all gas produced, both coal and water, divided by 4, the number of decennial years during which any type of gas was produced. The production rates for each type of gas and by-product are presented in Table 2. Uncertainties described later for Table B-1 also apply to Table 2.

Detailed Plant Data

Table B-1 in Appendix B, which represents the detailed product of this study, shows data reported for each plant in each decennial year as well as the average production rates for gas and by-products. The legend for the table provides a key to

TABLE 2. SUMMARY OF TOWN GAS MANUFACTURING SITES AND PRODUCTION AND PRODUCTION FOR LARGE PLANTS (>200 MM cu. ft/yr)

EPA REGION	STATE/ TERRITORY	CITY	COMPANY	GAS PRODUCTION RATE (MM scf/yr) (1) Coal	Water	Oil	Coke Oven	Total	BY-PRODUCT PRODUCTION RATE (2) Coke	Tar	Ammonia	Other	MISCELLANEOUS COMMENTS
1	CT	Bridgeport	The " G Co		1468			1468		1320			
1	CT	Bridgeport	Citizen's G Co			200		200					
1	CT	Danbury	" &Bethel G&EL Co		141	457		370	11	118			
1	CT	Derby	" G Co	157	283			314		554			
1	CT	Hartford	" City GL Co	383	743			676		614	143		
1	CT	Hartford	CT L&P Co		1629			1629	106				
1	CT	New Britain	" GL Co	269	70			279					
1	CT	New Haven	" GL Co	729	498			697		67			
1	CT	New London	" GL Co		257			257		118			
1	CT	Stamford	" GL Co	366	263			385		812			
1	CT	Waterbury	" GL Co	396	406			538		341	145		
1	ME	Peak Island	Casco Bay L&W Co	975				975					
1	ME	Portland	" GL Co	244	465			475					
1	MA	Arlington	" G Co	171	311			289					
1	MA	Boston	Bay State G Co		513			513					
1	MA	Boston	" GL Co	1200	4425			3504		2264		1373	Tons sulfur
1	MA	Boston	Charleston G Co		257			257	22	463	158		
1	MA	Boston	" GL Co	231	408			522	18	854	55		
1	MA	Boston	Roxbury GL Co	203				203					
1	MA	Braintree	Old Colony G Co		221			221		44			
1	MA	Brookline	" GL Co	380				380					
1	MA	Cambridge	" GL Co	795	208	2429		1087	90	1945	486		
1	MA	Fall River	" G Works	475	319			543	26	675	171	12000	Gal light oil
1	MA	Framingham	" GF & P Co	67			580	238					
1	MA	Haverhill	" GL Co	191	572			436		484			
1	MA	Holyoke	" G Works	96	244			229	18	193			
1	MA	Lawrence	" G Co	309	303			460	25	691	941		
1	MA	Lowell	" GL Co	513	206			630	35	701	191		
1	MA	Lynn	" G & E Co	504	821		484	850	12	1031	244		
1	MA	Malden	" & Melrose GL Co	399	1226			1099	29	2176	469		
1	MA	New Bedford	" GL Co	83	759			561		1320			
1	MA	Pittsfield	" Coal G Co	28	140			116		140			
1	MA	Springfield	" GL Co	771	831		1254	1425		1337	37		
1	MA	Taughton	" GL Co	181	248			305	12	525	30		

FOOTNOTES: * Largest producer in state
" Stands for city on same line
1. Individual gas production for each type of gas is the total production of that type of gas averaged over the years for which that specific type gas was was manufactured. The total gas production is the sum of all manufactured gas averaged over the decennial years for which any gas was produced.
2. By-product units are 1000 tons coke, 1000 gallons tar, 1000 pounds ammonia.

(continued)

TABLE 2 (continued)

EPA REGION	STATE/ TERRITORY	CITY	COMPANY	GAS PRODUCTION RATE (MM scf/yr) (1) Coal	Water	Oil	Coke Oven	Total	BY-PRODUCT PRODUCTION RATE (2) Coke	Tar	Ammonia	Other	MISCELLANEOUS COMMENTS
1	MA	Worcester	* GL Co	349	1832			1508		2292			
1	NH	Manchester	People's GL Co		340	29		395		450	160		
1	NH	Manchester	Public Serv. of NH	10	361			366	1	9			
1	NH	Nashua	* Light, H&P Co	78	310			202	12	227			
1	RI	Pawtucket	* G Co	359	671			838	.5	1320			
1	RI	Providence	* G Co	876	604		3571	2376		2371	317	460086	lbs sulfate
1	VT	Burlington	* GL Co		129			129		80			
2	NJ	Atlantic City	* G & W Co		816			816		1748			
2	NJ	Atlantic Highland	Standard G Co		205			205		182			
2	NJ	Camden	* GL Co	540			3165	2115					
2	NJ	Elizabeth	* GL Co		1863			1863		1381			
2	NJ	Glassboro	Pittman, Glassboro & Clayton		374			374		395			
2	NJ	Hackensack	* GL Co	70	592			418					
2	NJ	Hoboken	Hudson Co GL Co		3327		6588	3871					
2	NJ	Long Branch	* GL Co		982			982		1303			
2	NJ	Newark	* GL Co	6783				6783					
2	NJ	New Brunswick	GL Co of "		365			365					
2	NJ	Paterson	* GL Co		2077			2077					
2	NY	Albany	Municipal G Co		587			587		2047			
2	NY	Astoria	* LH & P Co	4153	13315			17467	254	16220	565	5078140	lbs ammonium sulfate
2	NY	Bay Shore	Suffolk G & EL Co		1465			1465					
2	NY	Brooklyn	Kings County Lt Co		2245			2245		2874			
2	NY	Brooklyn	Fulton Municipal G C	800	15777		8408	16040	583	24250		1826 54083	lbs sulfate lbs naphthalene
2	NY	Brooklyn	Nassau GL Co	285				285					
2	NY	Brooklyn	People's GL Co	200				200					
2	NY	Brooklyn	Williamsburgh GL Co	300				300					
2	NY	Buffalo	* GL Co	470	260			535	23	36			
2	NY	Far Rockaway	Queen's Borough G&E Co		2221			2221		2798			
2	NY	Freeport	Nassau, Suffolk Light Co		281			281					
2	NY	Geneva	* GL Co	258				258	133	1813			
2	NY	Gravesend	Coney Island GF & L Co		1415			1415		2261			

FOOTNOTES: * Largest producer in state

" Stands for city on same line

1. Individual gas production for each type of gas is the total production of that type of gas averaged over the years for which that specific type gas was was manufactured. The total gas production is the sum of all manufactured gas averaged over the decennial years for which any gas was produced.
2. By-product units are 1000 tons coke, 1000 gallons tar, 1000 pounds ammonia.

(continued)

TABLE 2 (continued)

EPA REGION	STATE/ TERRITORY	CITY	COMPANY	GAS PRODUCTION RATE (MM scf/yr) (1) Coal	Water	Oil	Coke Oven	Total	BY-PRODUCT PRODUCTION RATE (2) Coke	Tar	Ammonia	Other	MISCELLANEOUS COMMENTS
2	NY	Hempstead	* GL Co	4	988			742		832			
2	NY	Mt. Vernon	East Chester G Co	84	1360			1041		433			
2	NY	New York City	Central GL Co	560	2203			2213	52	882	153	848100	lbs ammonia sulfate
												117640	lbs cyanogen
												50000	lbs NH3 liquor
2	NY	New York City	Consolid. G Co	8090	25055		9412	23886		4600			
2	NY	New York City	Equitable GL Co		1250			1250					
2	NY	New York City	NY Mutual GL Co		1520			1520					
2	NY	New York City	Northern GL Co	953				953					
2	NY	New York City	Standard GL Co		2345			2345					
2	NY	New York City	New Amsterdam G Co		4272			4272		1457			
2	NY	New York City	Bronx G & E Co		230			230					
2	NY	Poughkeepsie	* G Co		392			392		1038			
2	NY	Rochester	Citizen's G Co	1203	848		4496	2628	200	3984			
2	NY	Stapleton	Richmond City GL Co		548			548		761			
2	NY	Syracuse	* GL Co	1297	282			947	43	1581	951		
2	NY	Troy	* G Co		267			267					
2	NY	Troy	Hudson Valley Fuel Co		1899		5273	7172		5390		11519130	lbs ammonium sulfate
2	NY	Utica	Equitable G & E Co	2010	623			1189	131	2151		3852000	lbs sulfate
2	NY	Yonkers	Municipal G Co		212			212					
2	PR	San Juan	PR G & Coke Co		332			332		468			
2	VI	(No Data)											
3	DE	Wilmington	* Coal G Co	137	600			534		874			
3	DC	Washington DC	* GL Co		4589			4589		3074			
3	MD	Baltimore	The Consolid. G Co of *		7365			9482					
3	MD	Sparrow's Point	Maryland Steel Co				1000	1000					
3	PA	Allentown	* G Co		628			628		200			
3	PA	Chester	* G Co	40	18		721	500					
3	PA	Clearfield	* GL Co	32	265		525	243		32			
3	PA	Easton	* G Co	20	369			311					

FOOTNOTES: # Largest producer in state
* Stands for city on same line
1. Individual gas production for each type of gas is the total production of that type of gas averaged over the years for which that specific type gas was manufactured. The total gas production is the sum of all manufactured gas averaged over the decennial years for which any gas was produced.
2. By-product units are 1000 tons coke, 1000 gallons tar, 1000 pounds ammonia.

(continued)

TABLE 2 (continued)

EPA REGION	STATE/ TERRITORY	CITY	COMPANY	GAS PRODUCTION RATE (MM scf/yr)(1) Coal	Water	Oil	Coke Oven	Total	BY-PRODUCT PRODUCTION RATE(2) Coke	Tar	Ammonia	Other	MISCELLANEOUS COMMENTS
3	PA	Hyde Park	* Nat. G Co		400			400					
3	PA	Lancaster	* GL & Fuel Co	50	417			356					
3	PA	Philadelphia	* G Works	4356	18318			10962	54	9648	326		
3	PA	Philadelphia	Northern Liberties G.	158	5664			2360	65	1191	483		
3	PA	Pittsburgh	Consolidated G Co		287			287					
3	PA	Pittsburgh	* G Co		330			330					
3	PA	Reading	Consumer's G Co		388			388		952			
3	PA	Scranton	* G & W Co		941			941		371			
3	PA	Wilkes Barre	* G Co		365			365					
3	PA	York	* G Co		358			358		209			
3	VA	Norfolk	City Gas L of #	92	1082			825		1146			
3	VA	Portsmouth	* G Co	56	310			234		36			
3	VA	Richmond	* G Works	179	1293			1026		510			
3	VA	Roanoke	* G & W Co	211	186			335	18	414			
3	WV	Wheeling	City G Works	243				243					
4	AL	Birmingham	* GEL&P Co	124	590			271					
4	FL	Jacksonville	* G&E Co	294	291			375	544	491	295		
4	FL	Miami	* G Co		696	48		437					
4	FL	Miami Beach	G Co of #		881			881					
4	FL	St. Petersburg	* Municipal G Plant		374			374		90			
4	FL	Tampa	* G Co		428			428		543			
4	FL	West Palm Beach	FL Public Utility Co		325			325		50			
4	GA	Atlanta	* GL Co	318	1155			884		1133	133		
4	GA	Augusta	* GL Co	25	303			257		62			
4	GA	Savannah	Mutual GL Co		340			340		665			
4	KY	Louisville	Citizen's GL Co		475			475					
4	KY	Louisville	* G Co		1386			1386					
4	MS	Biloxi *	Gulf Coast G Co	59	74			84	4	81			
4	NC	Charlotte	* GL Co	185	161			211		234			
4	SC	Charleston	* L & P Co	111	404			306		110			
4	SC	Columbia	* GL Co	101	291			225	7	289			
4	TN	Jackson	Citizen's GL Co	38	712			216					

FOOTNOTES:
* Largest producer in state
# Stands for city on same line
1. Individual gas production for each type of gas is the total production of that type of gas averaged over the years for which that specific type gas was was manufactured. The total gas production is the sum of all manufactured gas averaged over the decennial years for which any gas was produced.
2. By-product units are 1000 tons coke, 1000 gallons tar, 1000 pounds ammonia.

(continued)

TABLE 2 (continued)

EPA REGION	STATE/ TERRITORY	CITY	COMPANY	GAS PRODUCTION RATE (MM scf/yr) (1) Coal	Water	Oil	Coke Oven	Total	BY-PRODUCT PRODUCTION RATE (2) Coke	Tar	Ammonia	Other	MISCELLANEOUS COMMENTS
4	TN	Knoxville	* GL Co	162	154			227		276			
4	TN	Memphis	Equitable GL Co		496			496					
4	TN	Nashville	* GL Co	281	308			384	20	470	96		
5	IL	Aurora	* GL Co		221	190		284					
5	IL	Bloomington	Citizen's GL & H Co	55	277			249		166			
5	IL	Blue Island	Pub. Serv. Co of Il.		289			289		258			
5	IL	Chicago	* GL & Coke Co		1500			1500					
5	IL	Chicago	Consumer's G Co		750			750					
5	IL	Chicago	People's GL & Coke Co		11276		8707	13453					
5	IL	Chicago	Ogden G Co		702			702					
5	IL	Evanston	Northwestern GL & Coke Co		1754			1754					
5	IL	Moline	The People's L & Fue	26	573			354		292			
5	IL	Oak Park	Cicero G Co		530			530					
5	IL	Peoria	* GL & Coke Co	219	197			293		457	144		
5	IL	Rockford	* GL & Coke Co	180	120		601	380	73	1200	1787		
5	IL	Springfield	* GL Co	78	218			257					
5	IL	Waukegan	No. Shore Con G Co		324			324					
5	IN	Anderson	"Natural Gas & Oil		209			289					
5	IN	Evansville	"GEL Co	113	169			207		175			
5	IN	Fort Wayne	"GL Co		315		1118	687		1245		2000000	lbs ammonium sulfate
5	IN	Hammond	No. IN G & E Co	40	948			958	3	171			
5	IN	Indianapolis	"ELG & Heat Co		459		2807	1581		1828		1000000	lbs ammonium sulfate
5	IN	Indianapolis	Citizen's G Co		3082		6203	7744		5198			
5	IN	Marion	"Coal G Co		1238			1238					
5	IN	Muncie	Central IN G Co	613	251			738					
5	IN	South Bend	"GL Co		772			772		967			
5	IN	Terre Haute	"Citizen's G & Fuel	120	164		1310	417					
5	IN	Terre Haute	Indiana G & Chem Corp				1252	1252	116	786	629		
5	MI	Battle Creek	* GL Co	308	146		731	475	10	494	390		
5	MI	Detroit	* GL Co	1562	3064	3	3010	4164		315			

FOOTNOTES:
- * Largest producer in state
- " Stands for city on same line

1. Individual gas production for each type of gas is the total production of that type of gas averaged over the years for which that specific type gas was was manufactured. The total gas production is the sum of all manufactured gas averaged over the decennial years for which any gas was produced.
2. By-product units are 1000 tons coke, 1000 gallons tar, 1000 pounds ammonia.

(continued)

TABLE 2 (continued)

EPA REGION	STATE/ TERRITORY	CITY	COMPANY	GAS PRODUCTION RATE (MM scf/yr) (1) Coal	Water	Oil	Coke Oven	Total	BY-PRODUCT PRODUCTION RATE (2) Coke	Tar	Ammonia	Other	MISCELLANEOUS COMMENTS
5	MI	Flint	Consumer's P Co	1813	221		1850	2053		1678		3600	lbs ammonium sulfate
5	MI	Grand Rapids	* GL Co	798	362			871		1595	292		
5	MI	Jackson	* GL Co	551	433		586	731		656	210		
5	MI	Kalamazoo	Consumer's P Co	519	72		567	615	29	600	218		
5	MI	Lansing	* GL Co	269	165			380	47	947	199		
5	MI	Pontiac	Medbury G Works	154	588	325		575	21	519	159		
5	MI	Zilwaukee	Consumer's P Co	801	206			1007	46		384		
5	MN	Duluth	Zenith Furnace Co				413	413					
5	MN	Minneapolis	* GL Co	548	2021			2203		2046			
5	MN	St. Paul	* GL Co	839	314			691		53			
5	OH	Cincinnati	* GL & Coke Co	1050				1050					
5	OH	Cleveland	* GL & Coke Co	913	70	488		825					
5	WI	Beloit	GL & Coke co	24	350			264		370			
5	WI	Madison	* GL & Coke Co		402			402		302			
5	WI	Milwaukee	* GL Co	2445	1742			2653					
5	WI	Oshkosh	* GL Co	61	269			220		183			
5	WI	Racine	WI G&E Co	1086	338			1185	111	2289	632		
5	WI	Sheboygan	* National G Co	59	133		435	204	24	298			
6	AR	Little Rock #	Pulaski GL Co	77				77					
6	LA	New Orleans	*GL Co		895			895					
6	NM	Albuquerque	*G Co	26				26		71			
6	OK	Chickasha #	* G & E Co	10	15			24					
6	TX	Houston	* GL Co	30	553			378		144			
6	TX	San Antonio	* G Co	221				221					
7	IA	Cedar Rapids	* GL Co	40	282			201		252			
7	IA	Des Moines	Capital City GL Co		563			563		802			
7	IA	Sioux City	* G Co		552			552					
7	IA	Waterloo	* G & EL Co	90	550	5		474					
7	KS	Kansas City #	Wyandotte G Co		34			34					
7	KS	Topeka #	The Excelsior Coke &	34				34					
7	MO	Kansas City	* L & Coke Co		473			473					

FOOTNOTES: # Largest producer in state

* Stands for city on same line

1. Individual gas production for each type of gas is the total production of that type of gas averaged over the years for which that specific type gas was manufactured. The total gas production is the sum of all manufactured gas averaged over the decennial years for which any gas was produced.
2. By-product units are 1000 tons coke, 1000 gallons tar, 1000 pounds ammonia.

(continued)

TABLE 2 (continued)

EPA REGION	STATE/ TERRITORY	CITY	COMPANY	GAS PRODUCTION RATE (MM scf/yr) (1)					BY-PRODUCT PRODUCTION RATE (2)				MISCELLANEOUS COMMENTS
				Coal	Water	Oil	Coke Oven	Total	Coke	Tar	Ammonia	Other	
7	MO	St. Joseph	" G & Mfg Co	272				272					
7	MO	St. Louis	Laclide G L Co	1273	2562		1776	2591	337	4355	2789	821	
7	MO	Webster	St. Louis Co G Co		933			933		678		77184	Gal light oil
7	NB	Lincoln	" G Co		229			229					
7	NB	Omaha	" G Mfg Co		1209			1209		525			
8	CO	Denver	The " G Co	644	393			840					
8	MT	Great Falls *	" EL & G Co	17	47			64					
8	ND	Fargo *	" G & E Co	114	45			133	9	332			
8	SD	Sioux Falls *	" GL Co		89			89					
8	UT	Salt Lake City	" G Co	172	86			215					
8	WY	Laramie	" G Co		18			18					
9	AS	(No Data)											
9	AZ	Phoenix *	" Illum G&EL Co			151		151				229	Barrels Lampblack
9	CA	Fresno	" G&EL Co	60		537		298					
9	CA	Los Angeles	Lighting Co	280			2520	2850					
9	CA	Los Angeles	Domestic G Co of "			780		780					
9	CA	Oakland	" GL Co	150		3335		2539					
9	CA	Redwood	Pacific G&E Co, "			254		254					
9	CA	Sacramento	Capital G Co	50		753		472					
9	CA	San Francisco	Equitable GL Co	365				365					
9	GU	(No Data)											
9	HA	Honolulu	" LG Co			1003		1003					
9	NV	Reno *	"Water, Land & Light Co		87	52		61				450	Tons lampblack
10	AK	(No Data)											
10	ID	Boise *	" GL Co	46				46		40			
10	OR	Portland	" G Co	60		4337		3624	11	1984		264	tons sulfur and naphthalene
10	WA	Seattle	" GL Co	315	754	2750	661	1599		1497	520		
10	WA	Takoma	L & W Co	59	582			449		332			

FOOTNOTES: * Largest producer in state
" Stands for city on same line
1. Individual gas production for each type of gas is the total production of that type of gas averaged over the years for which that specific type gas was manufactured. The total gas production is the sum of all manufactured gas averaged over the decennial years for which any gas was produced.
2. By-product units are 1000 tons coke, 1000 gallons tar, 1000 pounds ammonia.

abbreviations and units for the by-product data. Several caveats and uncertainties to keep in mind while using this table are:

- The reported data are as factual as possible. A minimum amount of interpretation was involved in transposition of data from Brown's to Table B-1. However, there was some subjectiveness in determining the gas type in some cases as explained in Appendix B.
- The data entries in Table B-1 include some coke oven-based gas associated with plants which produced conventional manufactured gas (coal, water, oil) either while producing coke oven gas or in preceding years. These entries are under the column marked coke.
- By-product production data were only available after 1920 and were not as abundant as gas production data. This was especially true for ammonia and "other" by-products. Average production rates were not calculated for ammonia or "other" by-products due to the scarcity of these data.
- Each city entry represents an individual manufactured gas site in almost all cases. Occasionally, an individual city entry had multiple sites, especially for larger cities and in later years where consolidation was a common occurrence. In these cases, if the separate plant locations were reported, they are shown in the MISCELLANEOUS INFORMATION column.
- Data are shown in Table B-1 only for years in which it could be ascertained that gas was manufactured (as compared to being purchased and re-sold) by the plant.

  In cases in which gas was reported to be purchased, data were not compiled because the source and type of the purchased gas was usually not specified. The purchased gas may have been manufactured at another facility and, thereby, already considered. Inclusion of this purchased gas would have resulted in double counting. It was assumed that purchased gas did not require further purification which would produce by-products. Another

> possibility is that the purchased gas was non-manufactured gas, which is not being considered in this study. Production rates were not estimated for years in which no information was found (indicated by "0" in status column). When two consecutive "0"s were determined (i.e., no information reported for two consecutive decennial years) it was usually assumed that the plant no longer manufactured gas.

The detailed explanations for each type of data entry and assumptions used in compiling the data are presented for each column heading in Appendix B.

Growth and Location of Manufactured Gas Industry

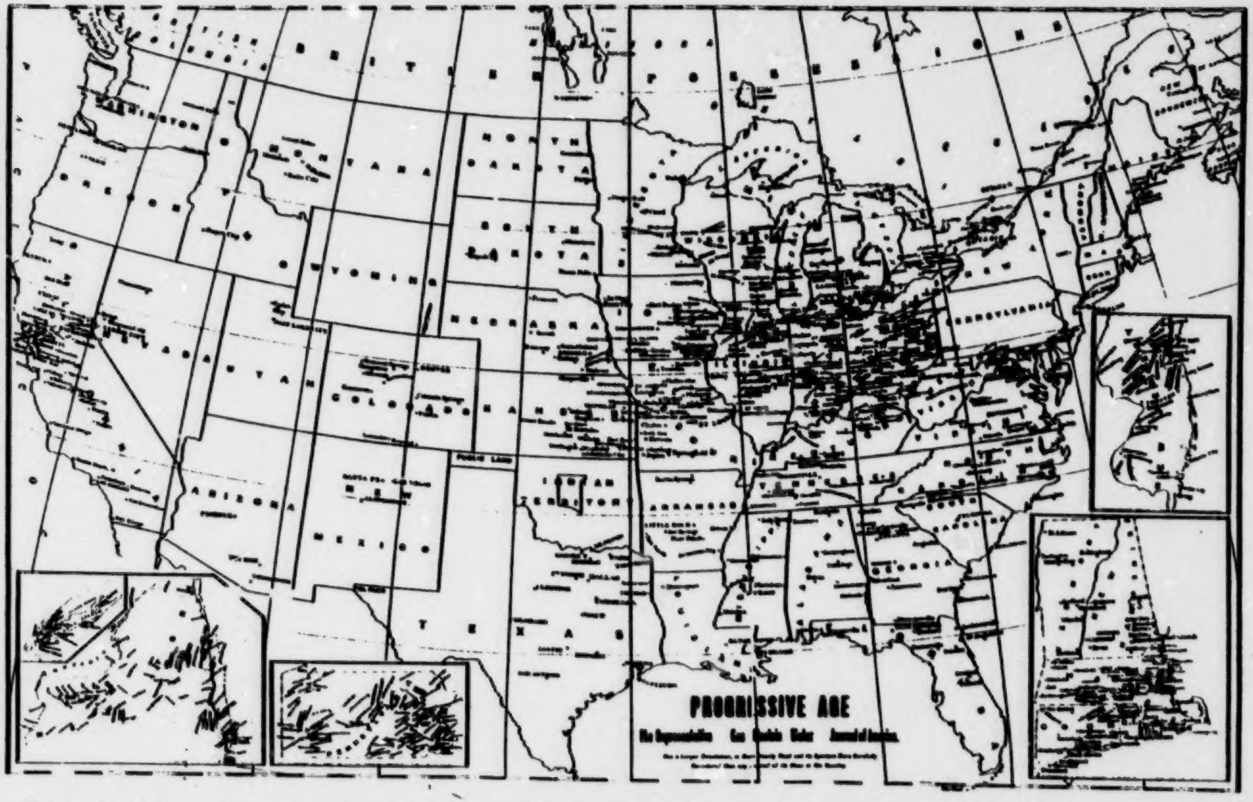
As shown in Table 3, the number of manufactured gas sites decreased markedly from 1890 to 1950. However, during this same time period, actual production of manufactured gas increased dramatically. This drop in number of sites accompanied by increased gas production was probably due to the shut down of some plants, consolidation of small facilities into larger ones, and increase in capacity of then existing plants.

Figure 2 is a reproduction of a map found in the 1890 edition of *Brown's* which shows towns containing gas manufacturing plants in the U.S. for 1889. It is not intended that individual names on the map be legible. The density of names in various areas is an indication of where the most sites were located. Figures 3 through 12 present maps for each of the 10 EPA regions based on dissection of the main map shown in Figure 2. The intent of these maps is to provide a perspective on the wide distribution of plants across the country and to show areas of highest site location.

TABLE 3. HISTORY OF SITES AND PRODUCTION OF TOWN GAS FOR 1889 TO 1950

DECENNIAL YEAR	NUMBER OF SITES (1)	PRODUCTION (MM scf) (2)
1890	989	24,000
1900	912	59,000
1910	942	132,000
1920	918	283,000
1930	737	365,000
1940	381	261,000
1950	194	331,000

FOOTNOTES:
1. Only sites marked with an asterisk or a "C" in Table B-1 were counted.
2. The production presented here is the sum of actual production listed in Table B-1.



Reprinted with permission of Harcourt Brace Jovanovich Publications from Brown's Directory.

Note: Site names are only intended to show general location on the map and density of sites.

Figure 2. Map of All Gas Manufacturing Sites in the U.S. (1890)

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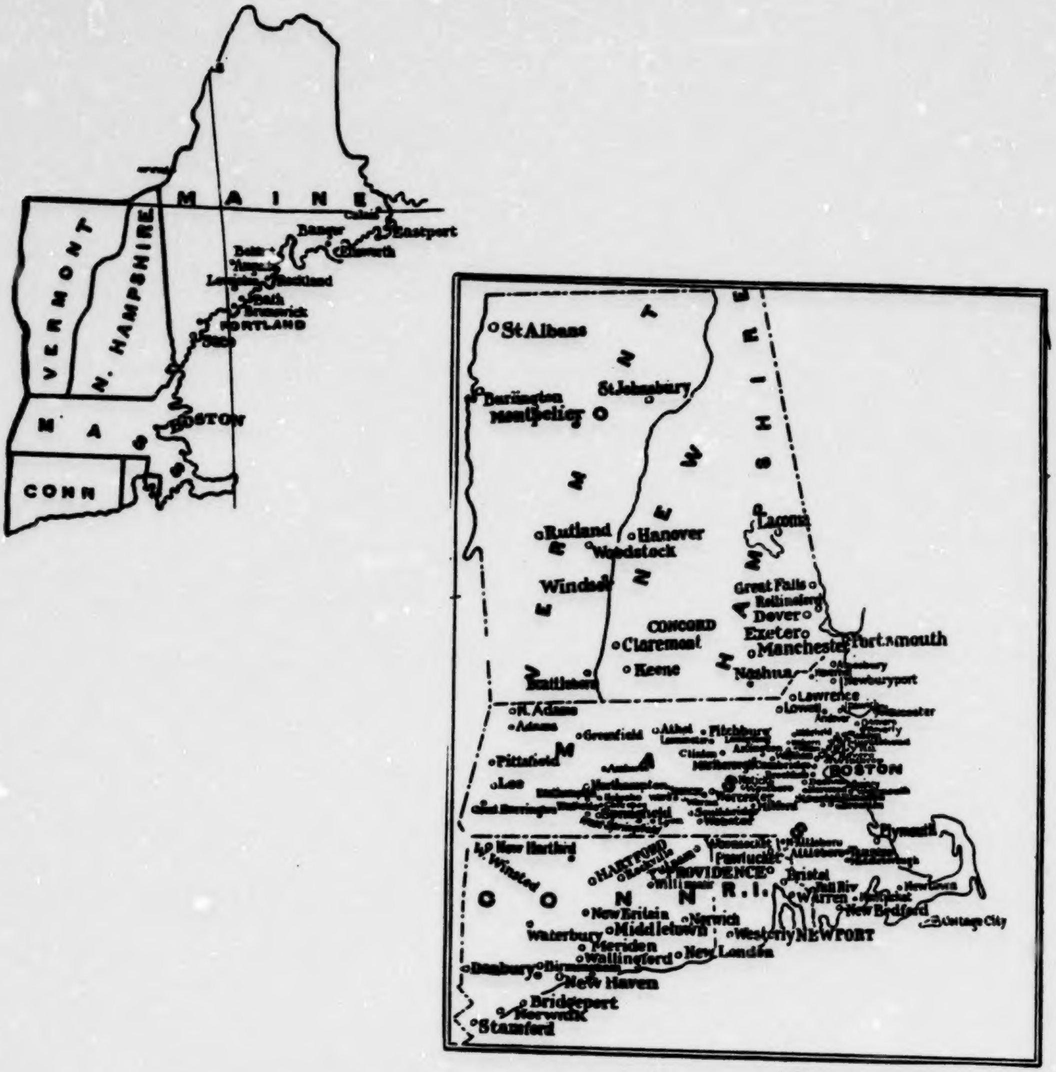
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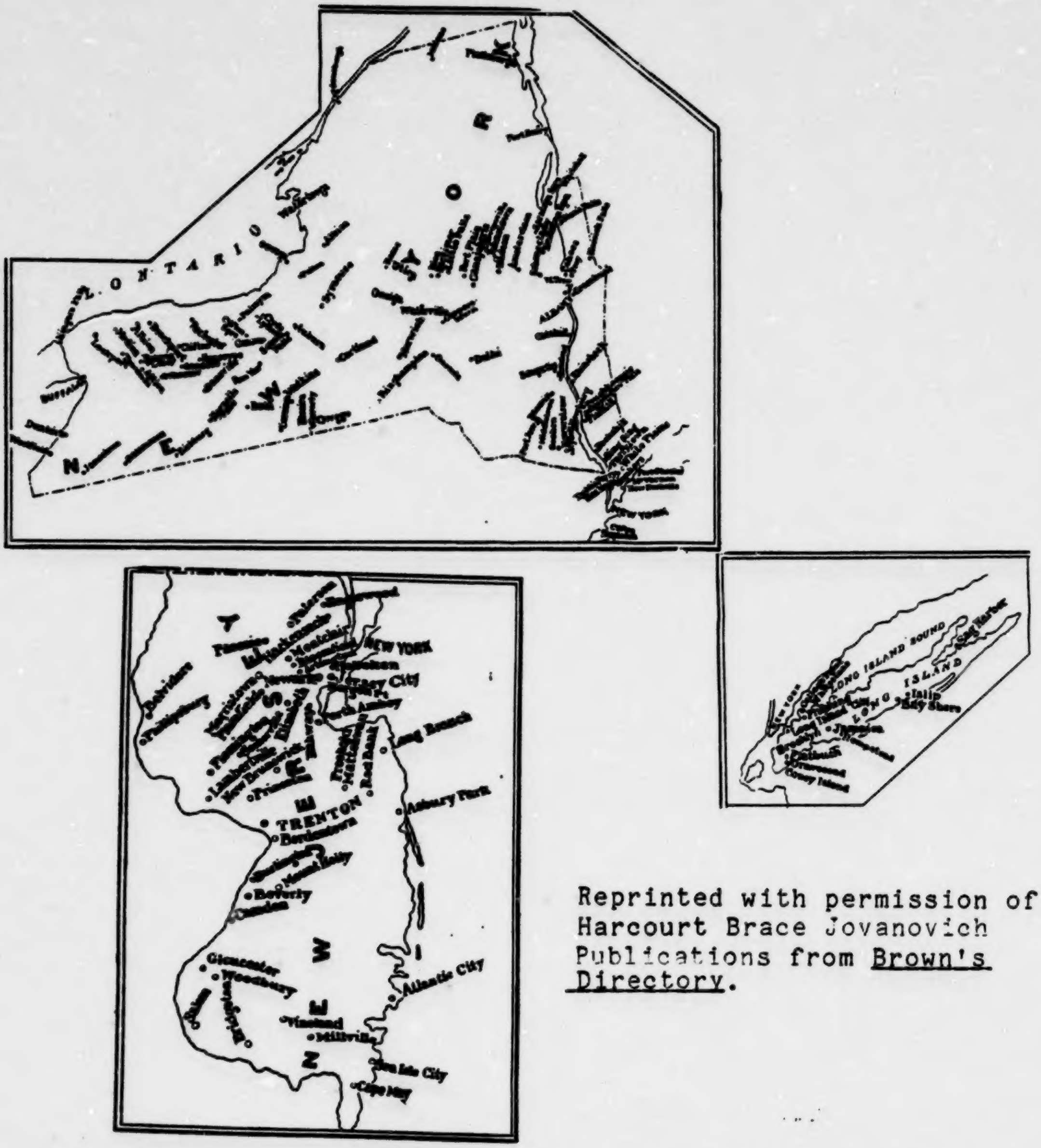
N. HAMPSHIRE
MASS
CONN
Bangor
Eastport
Ellsworth
Rockland
Bath
Brunswick
PORTLAND
Saco
BOSTON
St Albans
Burlington
Montpelier
St Johnsbury
Rutland
Hanover
Woodstock
Windsor
CONCORD
Claremont
Keene
Brattleboro
Laconia
Great Falls
Dover
Exeter
Manchester
Portsmouth
Nashua
Newburyport
Lawrence
Lowell
N. Adams
Adams
Pittsfield
Greenfield
Athol
Fitchburg
Lee
Worcester
Springfield
Plymouth
New Hartford
Winsted
HARTFORD
PROVIDENCE
Pawtucket
Attleboro
Bristol
Fall Riv
Warren
New Bedford
Cottage City
R.I.
New Britain
Norwich
Waterbury
Middletown
Meriden
Wallingford
New London
Westerly
NEWPORT
Danbury
Birmingham
New Haven
Bridgeport
Norwalk
Stamford

Note: Site names are only intended to show general location on the map and density of sites.

Figure 3. Map of Gas Manufacturing Sites in EPA Region 1 (1890)


ONTARIO
NEW YORK
N.
E.
W.
Y.
O.
R.
K.
NEW YORK
Jersey City
Long Branch
Red Bank
TRENTON
Bordentown
Asbury Park
Beverly
Camden
Gloucester
Woodbury
Bridgeton
Vineland
Millville
Atlantic City
Sea Isle City
Cape May
N
E
W
LONG ISLAND SOUND
LONG ISLAND
Islip
Bay Shore
Coney Island

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Note: Site names are only intended to show general location on the map and density of sites.

Figure 4. Map of Gas Manufacturing Sites in EPA Region 2 (1890)

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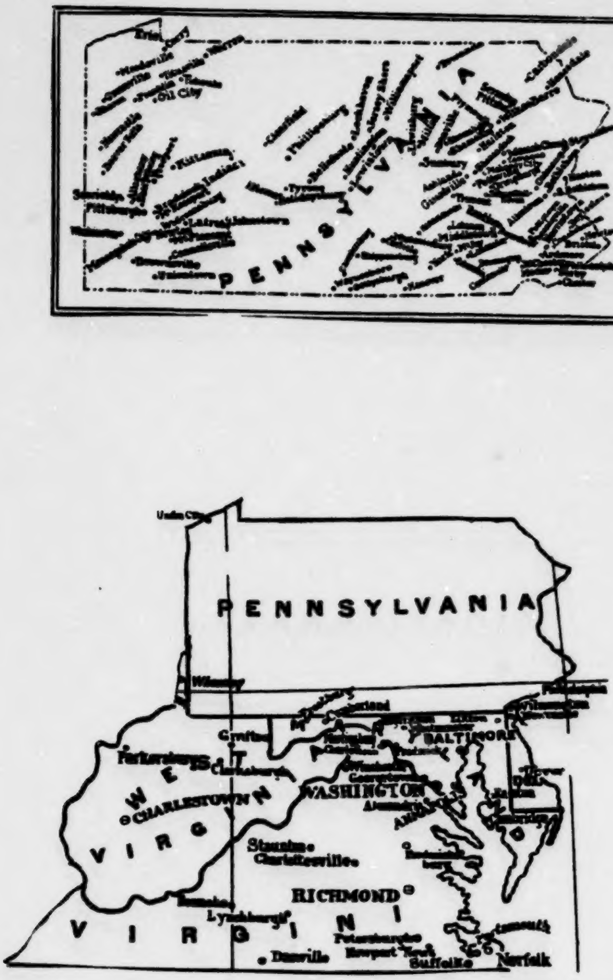
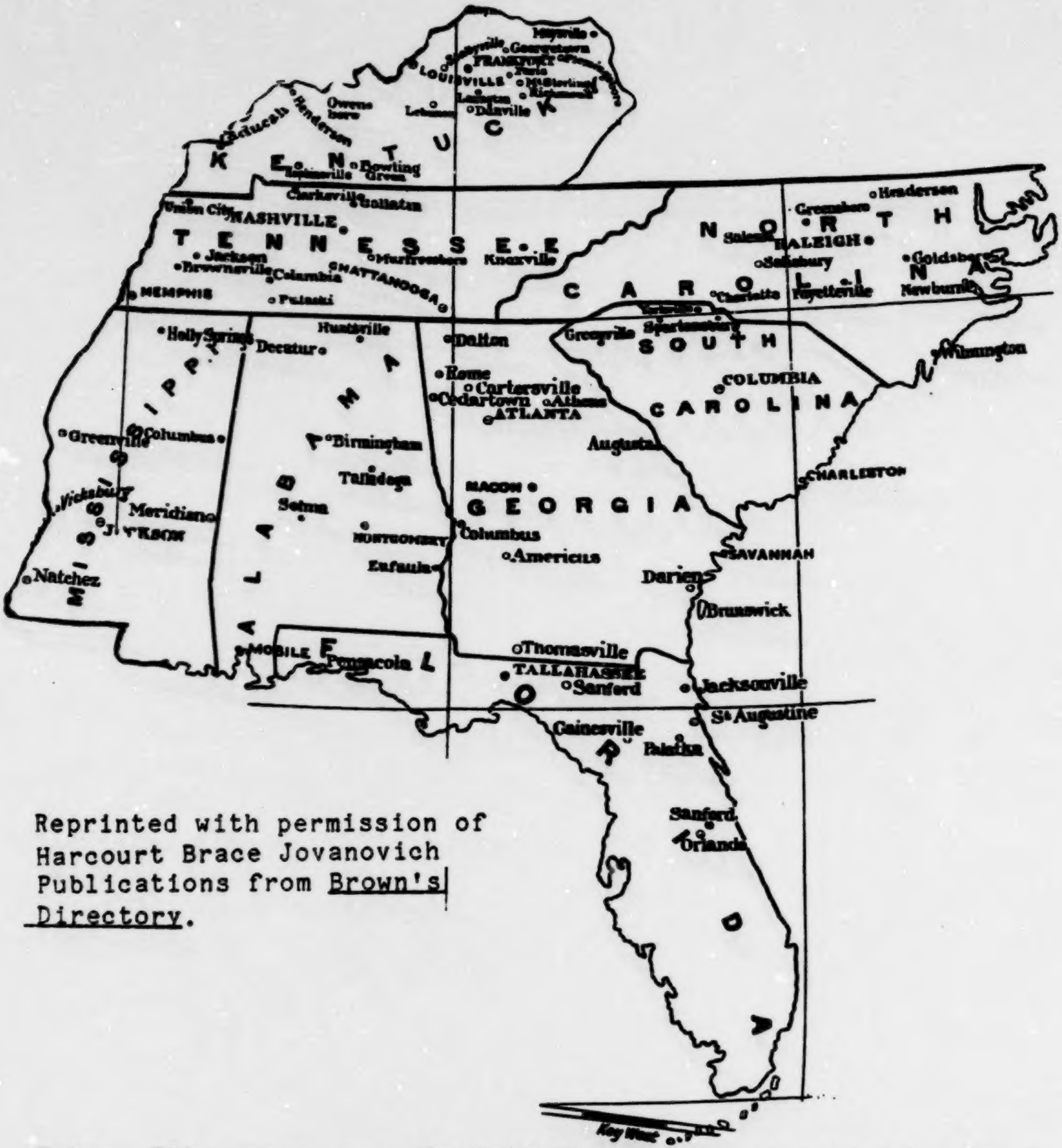

Erie
Oil City
PENNSY
Union City
PENNSYLVANIA
Wheeling
Philadelphia
Cumberland
BALTIMORE
Grafton
Parkersburg
Clarksburg
WEST VIRGINIA
CHARLESTOWN
WASHINGTON
Alexandria
Staunton
Charlottesville
RICHMOND
Lynchburg
VIRGINIA
Petersburg
Danville
Newport News
Suffolk
Norfolk

Note: Site names are only intended to show general location on the map and density of sites.

Figure 5. Map of Gas Manufacturing Sites in EPA Region 3 (1890)


K E N T U C K Y
Maysville
Georgetown
Frankfort
Louisville
Paris
Lebanon
Danville
Owensboro
Henderson
Paducah
Bowling Green
Clarksville
Union City
NASHVILLE
T E N N E S S E E
Jackson
Brownsville
Columbia
Murfreesboro
Knoxville
CHATTANOOGA
MEMPHIS
Pulaski
N O R T H C A R O L I N A
Greensboro
Henderson
Salem
RALEIGH
Salisbury
Goldsboro
Charlotte
Fayetteville
Newbern
Wilmington
Greenville
Spartanburg
S O U T H C A R O L I N A
COLUMBIA
CHARLESTON
M I S S I S S I P P I
Holly Springs
Greenville
Columbus
Vicksburg
Meridian
JACKSON
Natchez
A L A B A M A
Huntsville
Decatur
Birmingham
Talladega
Selma
MONTGOMERY
Eufaula
MOBILE
Dalton
Rome
Cartersville
Cedartown
Athens
ATLANTA
Augusta
MACON
G E O R G I A
Columbus
Americus
SAVANNAH
Darien
Brunswick
Thomasville
F L O R I D A
Pensacola
TALLAHASSEE
Sanford
Jacksonville
St Augustine
Gainesville
Palatka
Sanford
Orlando
Key West

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Note: Site names are only intended to show general location on the map and density of sites.

Figure 6. Map of Gas Manufacturing Sites in EPA Region 4 (1890)

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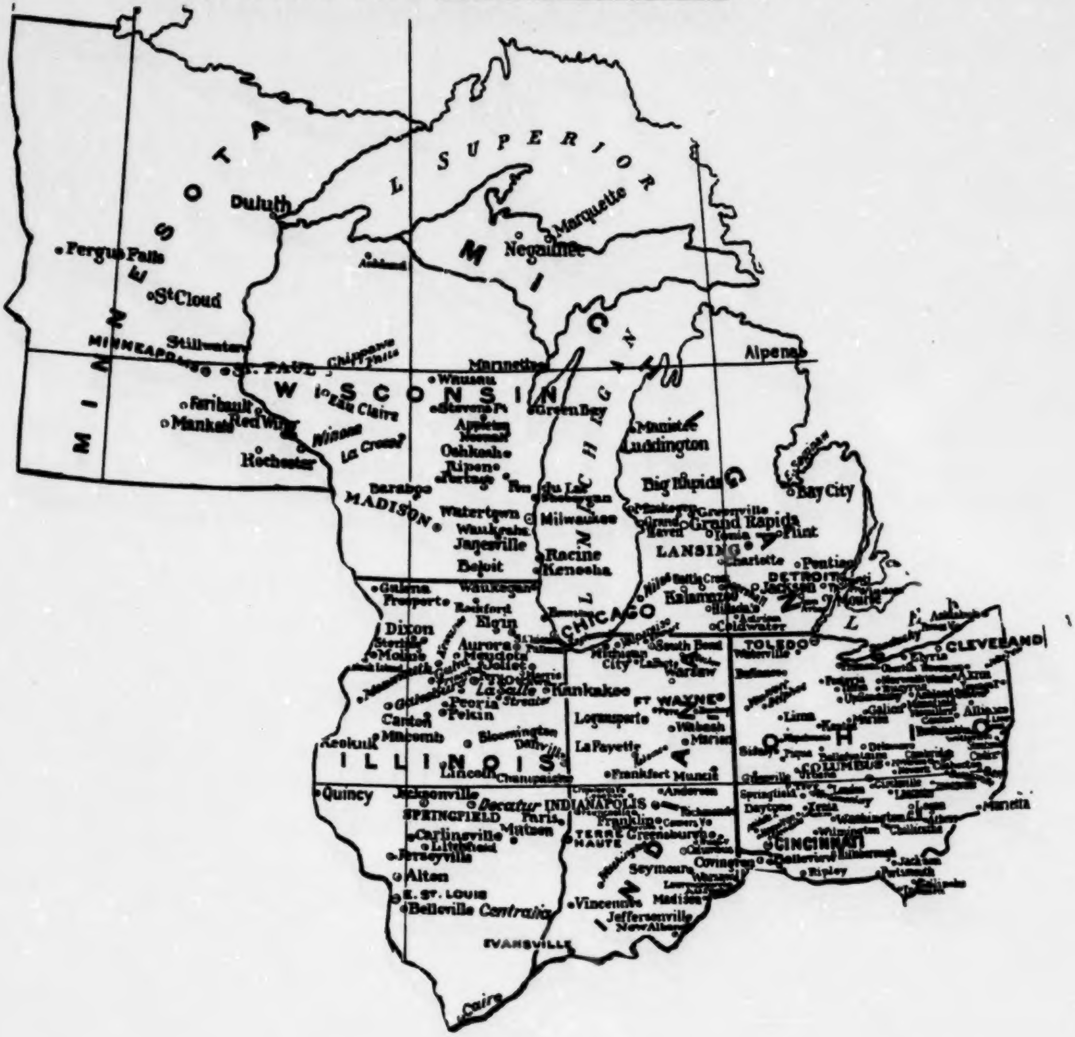
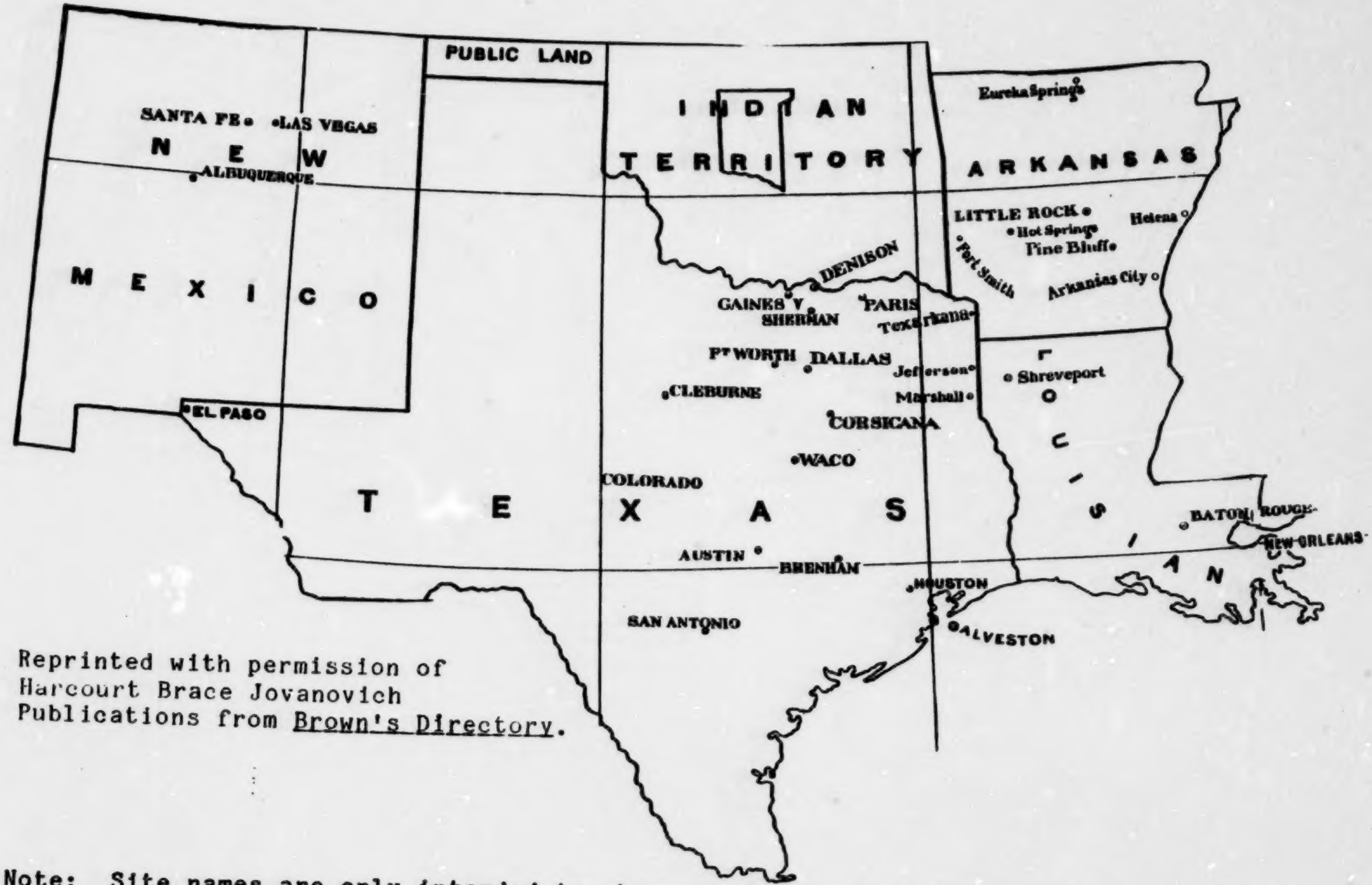

MINNESOTA
L SUPERIOR
MICHIGAN
WISCONSIN
ILLINOIS
INDIANA
OHIO
Duluth
Fergus Falls
St Cloud
Stillwater
MINNEAPOLIS
ST. PAUL
Faribault
Mankato
Red Wing
Rochester
Winona
La Crosse
Eau Claire
Chippewa Falls
Ashland
Marquette
Negaunee
Marinette
Wausau
Stevens Pt
Green Bay
Appleton
Oshkosh
Ripon
Portage
Baraboo
MADISON
Watertown
Waukesha
Janesville
Beloit
Milwaukee
Racine
Kenosha
Alpena
Manistee
Luddington
Big Rapids
Bay City
Greenville
Grand Rapids
Flint
LANSING
Charlotte
Pontiac
DETROIT
Jackson
Kalamazoo
Coldwater
Adrian
Galena
Freeport
Rockford
Waukegan
Elgin
CHICAGO
Dixon
Sterling
Moline
Aurora
Joliet
La Salle
Streator
Peoria
Pekin
Canton
Macomb
Keokuk
Bloomington
Danville
Lincoln
Champaign
Quincy
Jacksonville
SPRINGFIELD
Decatur
Carlinville
Litchfield
Jerseyville
Alton
E. ST. LOUIS
Belleville
Centralia
Cairo
Michigan City
South Bend
Warsaw
Kankakee
FT WAYNE
Logansport
Wabash
La Fayette
Frankfort
Muncie
Anderson
INDIANAPOLIS
Paris
Mattoon
Franklin
TERRE HAUTE
Greensburg
Seymour
Vincennes
Jeffersonville
New Albany
EVANSVILLE
Madison
TOLEDO
Waterville
CLEVELAND
Akron
Lima
Galion
Alliance
Sidney
COLUMBUS
Springfield
Dayton
Xenia
Wilmington
Hillsboro
Ripley
CINCINNATI
Covington
Marietta

Note: Site names are only intended to show general location on the map and density of sites.

Figure 7. Map of Gas Manufacturing Sites in EPA Region 5 (1890)


SANTA FE
LAS VEGAS
NEW MEXICO
ALBUQUERQUE
EL PASO
PUBLIC LAND
INDIAN TERRITORY
ARKANSAS
Eureka Springs
LITTLE ROCK
Hot Springs
Pine Bluff
Helena
Fort Smith
Arkansas City
DENISON
GAINES'V
SHERMAN
PARIS
Texarkana
Ft WORTH
DALLAS
Jefferson
Marshall
CLEBURNE
CORSICANA
WACO
COLORADO
TEXAS
AUSTIN
BRENHAM
HOUSTON
GALVESTON
SAN ANTONIO
LOUISIANA
Shreveport
BATON ROUGE
NEW ORLEANS

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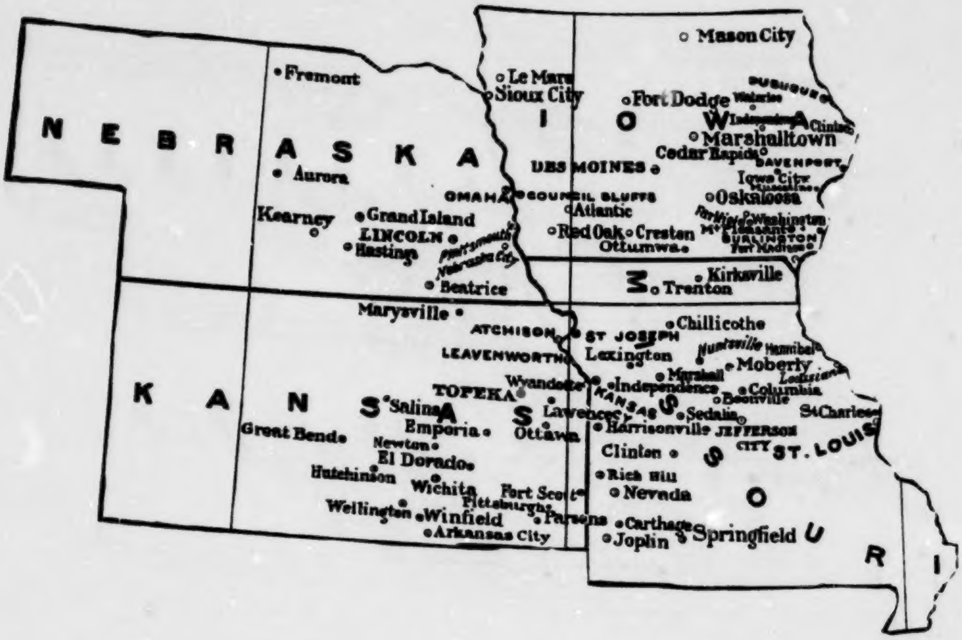
Note: Site names are only intended to show general location on the map and density of sites.

Figure 8. Map of Gas Manufacturing Sites in EPA Region 6 (1890)


NEBRASKA
IOWA
KANSAS
MISSOURI
Fremont
Aurora
Kearney
Grand Island
LINCOLN
Hastings
Plattsmouth
Nebraska City
Beatrice
OMAHA
Le Mars
Sioux City
Fort Dodge
Mason City
Waterloo
DUBUQUE
Independence
Clinton
Marshalltown
Cedar Rapids
DAVENPORT
DES MOINES
Iowa City
Muscatine
COUNCIL BLUFFS
Atlantic
Oskaloosa
Washington
Red Oak
Creston
Ottumwa
BURLINGTON
Fort Madison
Kirksville
Trenton
Marysville
ATCHISON
ST JOSEPH
Chillicothe
LEAVENWORTH
Lexington
Hannibal
Moberly
Louisiana
Marshall
TOPEKA
Wyandotte
Independence
Columbia
Boonville
Salina
Lawrence
KANSAS CITY
Sedalia
St Charles
Emporia
Ottawa
Harrisonville
JEFFERSON CITY
ST. LOUIS
Great Bend
Newton
El Dorado
Clinton
Hutchinson
Wichita
Fort Scott
Rich Hill
Nevada
Pittsburgh
Wellington
Winfield
Parsons
Carthage
Arkansas City
Joplin
Springfield

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Note: Site names are only intended to show general location on the map and density of sites.

Figure 9. Map of Gas Manufacturing Sites in EPA Region 7 (1890)

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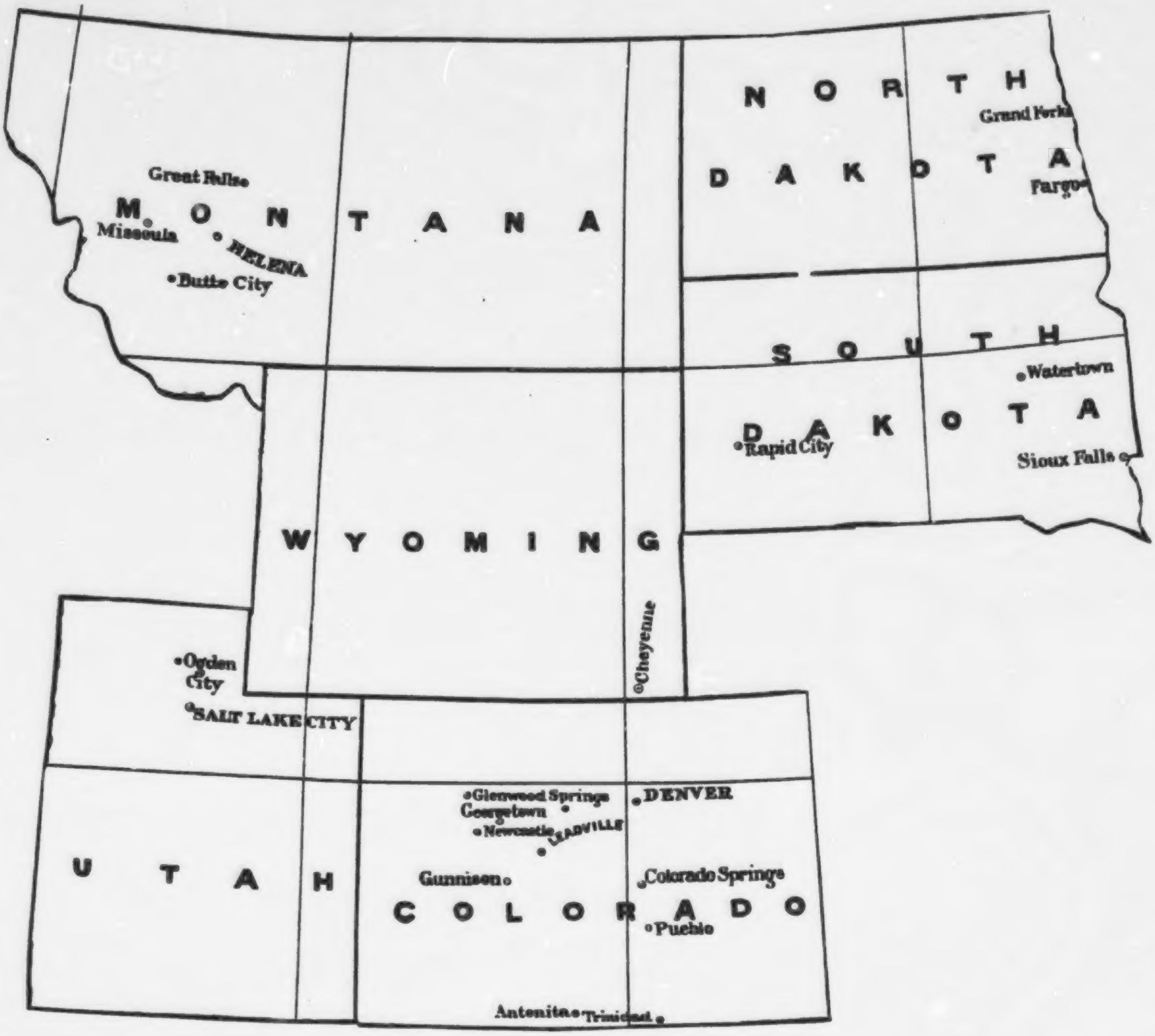
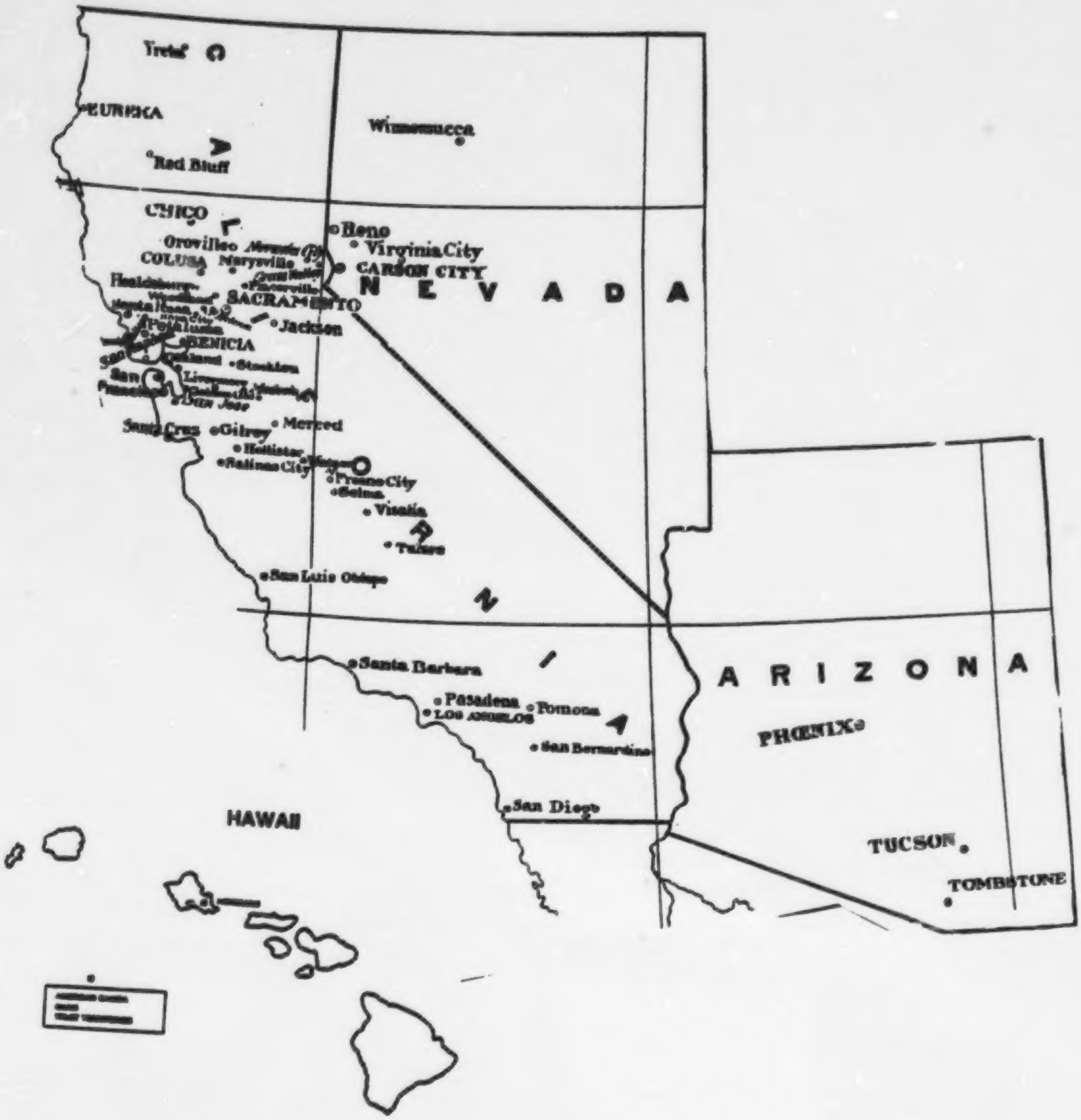

NORTH DAKOTA
Grand Forks
Fargo
MONTANA
Great Falls
Missoula
HELENA
Butte City
SOUTH DAKOTA
Watertown
Rapid City
Sioux Falls
WYOMING
Cheyenne
Ogden City
SALT LAKE CITY
UTAH
Glenwood Springs
Georgetown
Newcastle
LEADVILLE
DENVER
Gunnison
Colorado Springs
COLORADO
Pueblo
Antonito
Trinidad

Note: Site names are only intended to show general location on the map and density of sites.

Figure 10. Map of Gas Manufacturing Sites in EPA Region 8 (1890)


Yreka
EUREKA
Red Bluff
Winnemucca
CHICO
Reno
Oroville
Virginia City
COLUSA
Marysville
CARSON CITY
NEVADA
SACRAMENTO
Jackson
BENICIA
Oakland
Stockton
San Francisco
San Jose
Santa Cruz
Gilroy
Merced
Hollister
Salinas City
Fresno City
Selma
Visalia
Tulare
San Luis Obispo
CALIFORNIA
Santa Barbara
Pasadena
Pomona
LOS ANGELOS
San Bernardino
San Diego
ARIZONA
PHOENIX
TUCSON
TOMBSTONE
HAWAII

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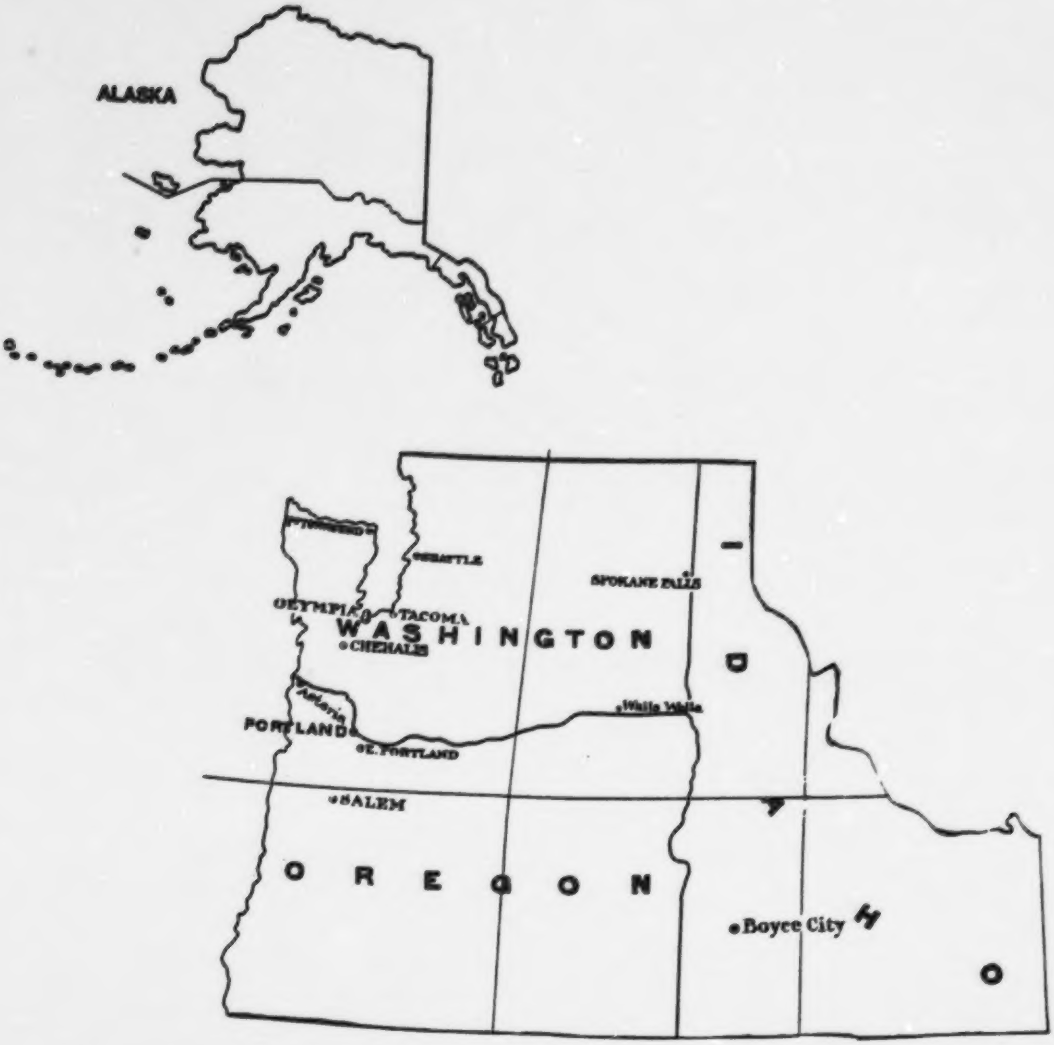
Note: Site names are only intended to show general location on the map and density of sites.

Figure 11. Map of Gas Manufacturing Sites in EPA Region 9 (1890)


ALASKA
SEATTLE
SPOKANE FALLS
OLYMPIA
TACOMA
WASHINGTON
CHEHALIS
Astoria
Walla Walla
PORTLAND
E. PORTLAND
SALEM
OREGON
IDAHO
Boyce City

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Note: Site names are only intended to show general location on the map and density of sites.

Figure 12. Map of Gas Manufacturing Sites in EPA Region 10 (1890)

ESTIMATION OF TAR PRODUCTION

This part presents a rough estimate for the total tar produced by the manufactured gas industry in the U.S. between the years 1880 and 1950 and summarizes the calculations and assumptions used in obtaining this estimate. This time period covers the years for which the compiled data can be most reliably used. The total amount of tar produced by U.S. manufactured gas plants up to the year 1950 was also estimated. The first year in which gas was manufactured in the U.S. was assumed to be 1820 because the first gas manufacturing facility in the United States (believed to be in Baltimore, MD) began producing gas circa 1820. This second estimate was based on extending the tar production estimate from the period 1880 to 1950 to cover the years 1820 to 1950, thereby representing a considerable extrapolation. The amount of tar produced after 1949 was not estimated because of the large gas production rate in 1949 and the significant uncertainty concerning how quickly this production rate fell off. In addition, the proportion of tar sold as a by-product or disposed of in an environmentally acceptable manner probably increased following 1949. Thus, in the absence of more reliable data, the amount of tar produced after 1949 was not estimated in this report. It should be noted again that the reported estimate does not include tar produced from coke-oven plants. However, it is recognized that coke-oven plants did produce tars and that some of these may have been disposed of via the land path during the early years of this period.

Table 4 presents information found in Table 1 along with the total estimated tar production for the time period 1880-1950. Table 5 presents these tar productions by state/territory in descending order based on quantity. These estimated tar production values should be viewed with the following caveat in mind:

TABLE 4. SUMMARY OF TOWN GAS AND TAR PRODUCTION BY STATE (1880 TO 1950)

EPA REGION	STATE/TERRITORY	NUMBER OF SITES	(2) NUMBER OF LARGE SITES	NO. GAS DATA PTS.	(3) ESTIMATED PRODUCTION OF MANUFACTURED GAS (MM scf)	(4) ESTIMATED TAR PRODUCTION (M GAL)
1	CONNECTICUT	25	11	106	331,000	242,000
1	MAINE	16	2	53	67,000	49,000
1	MASSACHUSETTS	89	23	329	1,102,000	804,000
1	NEW HAMPSHIRE	17	3	62	57,000	42,000
1	RHODE ISLAND	7	2	33	240,000	175,000
1	VERMONT	12	0	48	19,000	14,000
2	NEW JERSEY	74	11	168	1,219,000	890,000
2	NEW YORK	156	31	418	4,422,000	3,228,000
2	PUERTO RICO	2	1	2	5,000	4,000
2	VIRGIN ISLANDS	NR	NR	NR	NR	NR
3	DELAWARE	7	1	23	29,000	21,000
3	DIST.OF COL.	2	1	10	277,000	202,000
3	MARYLAND	16	2	60	597,000	436,000
3	PENNSYLVANIA	138	14	408	1,208,000	882,000
3	VIRGINIA	18	4	90	210,000	153,000
3	WEST VIRGINIA	9	1	21	9,000	7,000
4	ALABAMA	15	1	46	26,000	19,000
4	FLORIDA	23	6	88	150,000	110,000
4	GEORGIA	19	2	76	100,000	73,000
4	KENTUCKY	21	2	59	91,000	66,000
4	MISSISSIPPI	10	0	28	9,000	7,000
4	NORTH CAROLINA	28	1	86	74,000	54,000
4	SOUTH CAROLINA	11	2	33	45,000	33,000
4	TENNESSEE	15	4	38	80,000	58,000
5	ILLINOIS	91	14	262	831,000	607,000
5	INDIANA	60	11	182	466,000	340,000
5	MICHIGAN	69	9	247	625,000	456,000
5	MINNESOTA	30	3	77	133,000	97,000
5	OHIO	90	2	186	101,000	74,000
5	WISCONSIN	42	6	166	357,000	261,000

(continued)

TABLE 4 (continued)

EPA REGION	STATE/TERRITORY	NUMBER OF SITES	NUMBER OF LARGE SITES (2)	NO. GAS DATA PTS.	ESTIMATED PRODUCTION OF MANUFACTURED GAS (MM scf) (3)	ESTIMATED TAR PRODUCTION (M GAL) (4)
6	ARKANSAS	9	0	14	3,000	2,000
6	LOUISIANA	7	0	9	29,000	21,000
6	NEW MEXICO	4	0	9	2,000	1,000
6	OKLAHOMA	5	0	5	1,000	1,000
6	TEXAS	32	2	56	40,000	29,000
7	IOWA	62	4	212	189,000	138,000
7	KANSAS	23	0	40	6,000	4,000
7	MISSOURI	35	4	116	224,000	164,000
7	NEBRASKA	22	2	61	94,000	69,000
8	COLORADO	15	1	38	46,000	34,000
8	MONTANA	6	0	13	5,000	4,000
8	NORTH DAKOTA	7	0	22	14,000	10,000
8	SOUTH DAKOTA	11	0	33	13,000	9,000
8	UTAH	3	1	7	9,000	7,000
8	WYOMING	3	0	6	1,000	1,000
9	AMERICAN SAMOA	NR	NR	NR	NR	NR
9	ARIZONA	12	0	30	15,000	11,000
9	CALIFORNIA	91	7	188	486,000	355,000
9	GUAM	NR	NR	NR	NR	NR
9	HAWAII	2	1	6	31,000	23,000
9	NEVADA	6	0	11	3,000	2,000
10	ALASKA	NR	NR	NR	NR	NR
10	IDAHO	3	0	5	2,000	1,000
10	OREGON	14	1	29	221,000	161,000
10	WASHINGTON	18	3	50	172,000	126,000
TOTALS:		1502	196	4365	14,486,000	10,577,000

FOOTNOTES:
1. "NR" signifies that data were not reported.
2. Plants with total average gas productions greater than 200 million standard cubic feet (MM scf) per year are considered large sites.
3. Estimated gas productions are calculated for the time period, 1880 to 1950 as the sum of the reported data for the decennial years (between 1890 and 1950) multiplied by ten to interpolate between decennial years.
4. The estimated tar production are obtained by multiplying the corresponding estimated manufactured gas productions shown in the previous column by the constant tar production factor of 730 gallons/MM scf.

TABLE 5. RANK OF U.S. STATES/TERRITORIES ACCORDING TO ESTIMATED TAR PRODUCTION FOR THE TIME PERIOD, 1880 TO 1950

RANK	STATE/ TERRITORY	EPA REGION	ESTIMATED TAR (1) PRODUCTION (M GAL)
1	NEW YORK	2	2,825,000
2	NEW JERSEY	2	890,000
3	PENNSYLVANIA	3	827,000
4	MASSACHUSETTS	1	805,000
5	MICHIGAN	5	456,000
6	ILLINOIS	5	452,000
7	CALIFORNIA	9	355,000
8	INDIANA	5	340,000
9	MARYLAND	3	289,000
10	WISCONSIN	5	261,000
11	CONNECTICUT	1	241,000
12	DIST.OF COL.	3	203,000
13	RHODE ISLAND	1	175,000
14	MISSOURI	7	163,000
15	OREGON	10	162,000
16	VIRGINIA	3	153,000
17	IOWA	7	138,000
18	WASHINGTON	10	125,000
19	FLORIDA	4	110,000
20	MINNESOTA	5	97,000
21	OHIO	5	74,000
22	GEORGIA	4	73,000
23	NEBRASKA	7	69,000
24	KENTUCKY	4	66,000
25	TENNESEE	4	59,000
26	NORTH CAROLINA	4	54,000
27	MAINE	1	49,000
28	NEW HAMPSHIRE	1	34,000
29	COLORADO	8	33,000
30	SOUTH CAROLINA	4	33,000
31	TEXAS	6	29,000
32	HAWAII	9	23,000
33	LOUISIANA	6	21,000
34	DELAWARE	3	21,000
35	ALABAMA	4	19,000
36	VERMONT	1	14,000
37	ARIZONA	9	11,000
38	NORTH DAKOTA	8	10,000
39	SOUTH DAKOTA	8	10,000
40	UTAH	8	7,000
41	MISSISSIPPI	4	7,000
42	WEST VIRGINIA	3	6,000
43	KANSAS	7	5,000
44	MONTANA	8	4,000
45	PUERTO RICO	2	3,000
46	ARKANSAS	6	2,000
47	NEVADA	9	2,000
48	IDAHO	10	1,000
49	NEW MEXICO	6	1,000
50	WYOMING	8	1,000
51	OKLAHOMA	6	1,000
52	VIRGIN ISLANDS	2	NR
53	AMERICAN SAMOA	9	NR
54	GUAM	9	NR
55	ALASKA	10	NR

FOOTNOTES:

1. The estimated tar production are obtained by multiplying the corresponding estimated manufactured gas productions shown in Table 1 by the constant tar production factor of 730 gallons/MM scf.
2. "NR" signifies that data were not reported.

- Tar production was estimated from the manufactured gas production based on a constant factor of 730 gal/MM scf.

This factor was derived from 1930 Brown's data by estimating the tar production rate as a function of gas production for that year. That year was chosen because of a relatively ample availability of by-product data (reported for approximately 40 percent of plants). This constant factor was calculated as the total tar production divided by total gas production (for plants reporting tar production), resulting in a value of 730 gallons of tar per million cubic feet of gas produced.

The tar factor does not account for changes in the makeup of the manufactured gas in years other than 1930. In addition, this factor should vary with the type of gas produced (e.g., coal gas produces more tar per MM sc than water gas); type of feedstock, in particular the type of coal (e.g., bituminous or anthracite); equipment design; operating conditions; and extent of gas cleaning. Therefore, the actual tar production (i.e., gal tar per MM scf of gas) is highly variable by site, state, and region.

However, the tar production estimates made in this report use the same factor (730 gal tar/MM scf of gas) for all states; and therefore, the reader should use these estimates carefully (i.e., recognizing the uncertainties described above). It is believed that this factor is sufficiently accurate for the intended use in this report which is an order of magnitude estimate for obtaining an idea of the potential quantities that may be involved.

This factor was applied to the total gas production for each state for the time period, 1880 to 1950, shown in Table 4, to obtain state-by-state tar production estimates. The total of these tar production estimates represents the total tar produced by the U.S. gas manufacturing industry from 1880 to 1950. The total tar produced as a by-product by U.S. gas manufacturers between 1880 and 1950 is estimated to be approximately 11 billion gallons. This total estimated tar production for the period 1880 to 1950 was extended to cover 1820 to 1880 based on a "zero linear interpolation" assumption, as explained in the following discussion. The tar production estimate for the 1820 to 1950 time period is 11.5 billion gallons.

Procedure For 1820 To 1880 Tar Estimates

The 1880 to 1950 tar production estimate was extrapolated to include the early years of the U.S. manufactured gas industry (1820 to 1880) as follows:

1. The tar productions for the end years of the time period for which tar production was not yet estimated (1820 to 1880) were established. It was assumed that no tar was produced in the first year of the manufactured gas industry, 1820. The tar production for 1879 was based on applying the tar factor (730 gallons tar/MM cubic feet of gas) to the total gas production for the year, 1889. The 1889 gas production was calculated as the total of reported data for the year, 1889, or 23,600 MM scf. The resulting quantity of tar estimated to have been produced in 1889 is 17 million gallons.
2. Next, it was assumed that the tar production from 1820 to 1880 could be linearly interpolated based on the productions established in the preceding step. The resulting estimate is 0.5 billion gallons of tar produced between 1820 and 1880.

OTHER BY-PRODUCTS

This part discusses the production and fate of by-products (other than tar) resulting from the manufacture of gas. In this preliminary study, however, the focus is primarily on tar. Analyses of the other by-products were not performed in this study although future evaluation of the potential tar disposal environmental impact may warrant further investigation into the fate of these other by-products. These other by-products include:

- coke
- ammonia
- naphthalene
- crude light oil and derivatives
- coal screenings and residue
- spent iron oxide (contains sulfur)
- spent lime (dry or in solution)

The above by-products usually had some commercial value for further recovery or consumption. Table 6 presents percentages of by-products sold which were calculated from data for four years (1925, 1927, 1929, and 1931) as reported in the Census of Manufacturers: 1931 for the manufactured gas industry. These particular years were selected solely on the basis of data availability. Data were unavailable for spent iron oxide and lime, which were used to remove hydrogen sulfide from the manufactured gas. Additional information regarding the sources and production of these by-products may be found elsewhere (Reference 3).

TABLE 6. BY-PRODUCT DISPOSITION

By-Product	Amount Sold as Percent of Total Produced (1)
Tar	76
Coke	62
Ammonia	(2)
Naphthalene, Crude	46
Crude Light Oil	26
Light Oil Derivatives	55
Screenings and Breeze	13
Spent Iron Oxide	(2)
Spent Lime	(2)

FOOTNOTES: (1) Average of the years 1925, 1927, 1929, and 1931.
(2) No data reported.

Source of data: Census of Manufacture: 1931 (U.S. Dept. of Commerce)

REFERENCES

1. Brown's Directory of American Gas Companies, Moore Publishing Company, Inc., New York, N.Y., 1890, 1900, 1910, 1920, 1930, 1940 and 1950-51 editions.

2. Bureau of the Census (U.S. Department of Commerce), Census of Manufacture: 1931 - Manufactured Gas: Coke-Oven Products: Fuel Briquets, U.S. Government Printing Office, Washington, D.C., 1934.

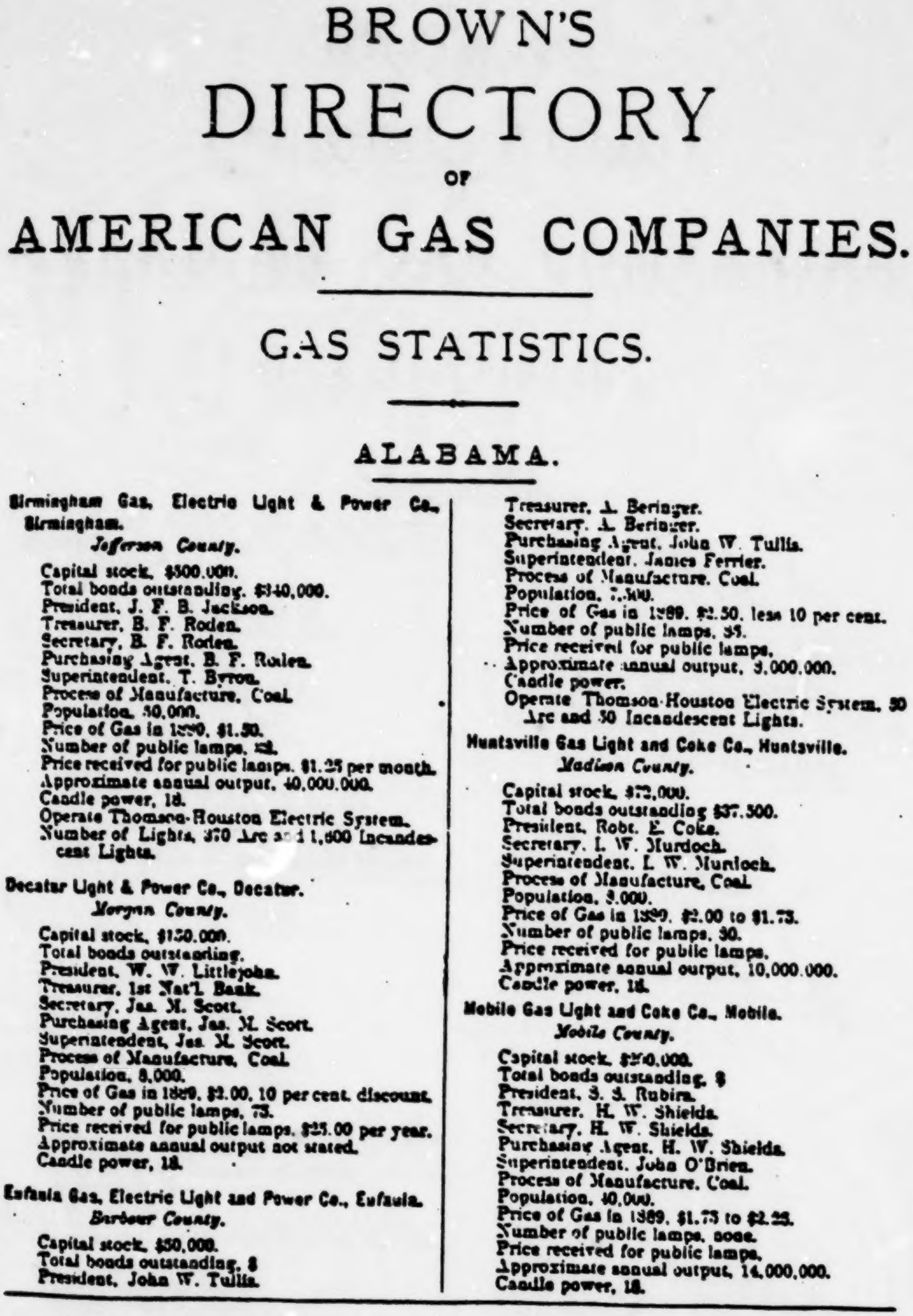
3. Steward, E.G., Town Gas - Its Manufacture and Distribution, Her Majesty's Stationary Office, London, 1958.

Appendix A

BACKGROUND INFORMATION ON DATA SOURCE AND PROCESSES

SAMPLE PAGES FROM BROWN'S DIRECTORY OF AMERICAN GAS COMPANIES

This part contains example pages from the 1890 and 1950-1951 editions of Brown's Directory of American Gas Companies. These example pages show the extent and detail to which data are reported by Brown's, as well as the changes in the reported data from 1890 to 1950. These example pages, which are copyrighted, are used here with the permission of Harcourt Brace Jovanovich Publications, the publishers of Brown's Directory of American Gas Companies.



BROWN'S DIRECTORY OF AMERICAN GAS COMPANIES.

GAS STATISTICS.

ALABAMA.

Birmingham Gas, Electric Light & Power Co., Birmingham.

Jefferson County.

Capital stock, $500,000.
Total bonds outstanding, $340,000.
President, J. F. B. Jackson.
Treasurer, B. F. Roden.
Secretary, B. F. Roden.
Purchasing Agent, B. F. Roden.
Superintendent, T. Byron.
Process of Manufacture, Coal.
Population, 30,000.
Price of Gas in 1890, $1.50.
Number of public lamps, [illegible].
Price received for public lamps, $1.25 per month.
Approximate annual output, 40,000,000.
Candle power, 18.
Operate Thomson-Houston Electric System.
Number of Lights, 370 Arc and 1,800 Incandescent Lights.

Decatur Light & Power Co., Decatur.

Morgan County.

Capital stock, $150,000.
Total bonds outstanding.
President, W. W. Littlejohn.
Treasurer, 1st Nat'l. Bank.
Secretary, Jas. M. Scott.
Purchasing Agent, Jas. M. Scott.
Superintendent, Jas. M. Scott.
Process of Manufacture, Coal.
Population, 8,000.
Price of Gas in 1889, $2.00, 10 per cent. discount.
Number of public lamps, 73.
Price received for public lamps, $25.00 per year.
Approximate annual output not stated.
Candle power, 18.

Eufaula Gas, Electric Light and Power Co., Eufaula.

Barbour County.

Capital stock, $50,000.
Total bonds outstanding, $
President, John W. Tullis.
Treasurer, A. Beringer.
Secretary, A. Beringer.
Purchasing Agent, John W. Tullis.
Superintendent, James Ferrier.
Process of Manufacture, Coal.
Population, 7,500.
Price of Gas in 1889, $2.50, less 10 per cent.
Number of public lamps, 35.
Price received for public lamps.
Approximate annual output, 3,000,000.
Candle power.
Operate Thomson-Houston Electric System, 30 Arc and 30 Incandescent Lights.

Huntsville Gas Light and Coke Co., Huntsville.

Madison County.

Capital stock, $72,000.
Total bonds outstanding $37,500.
President, Robt. E. Coke.
Secretary, L. W. Murdoch.
Superintendent, L. W. Murdoch.
Process of Manufacture, Coal.
Population, 8,000.
Price of Gas in 1889, $2.00 to $1.75.
Number of public lamps, 30.
Price received for public lamps.
Approximate annual output, 10,000,000.
Candle power, 18.

Mobile Gas Light and Coke Co., Mobile.

Mobile County.

Capital stock, $250,000.
Total bonds outstanding, $
President, S. S. Rubira.
Treasurer, H. W. Shields.
Secretary, H. W. Shields.
Purchasing Agent, H. W. Shields.
Superintendent, John O'Brien.
Process of Manufacture, Coal.
Population, 40,000.
Price of Gas in 1889, $1.75 to $2.25.
Number of public lamps, none.
Price received for public lamps.
Approximate annual output, 14,000,000.
Candle power, 18.

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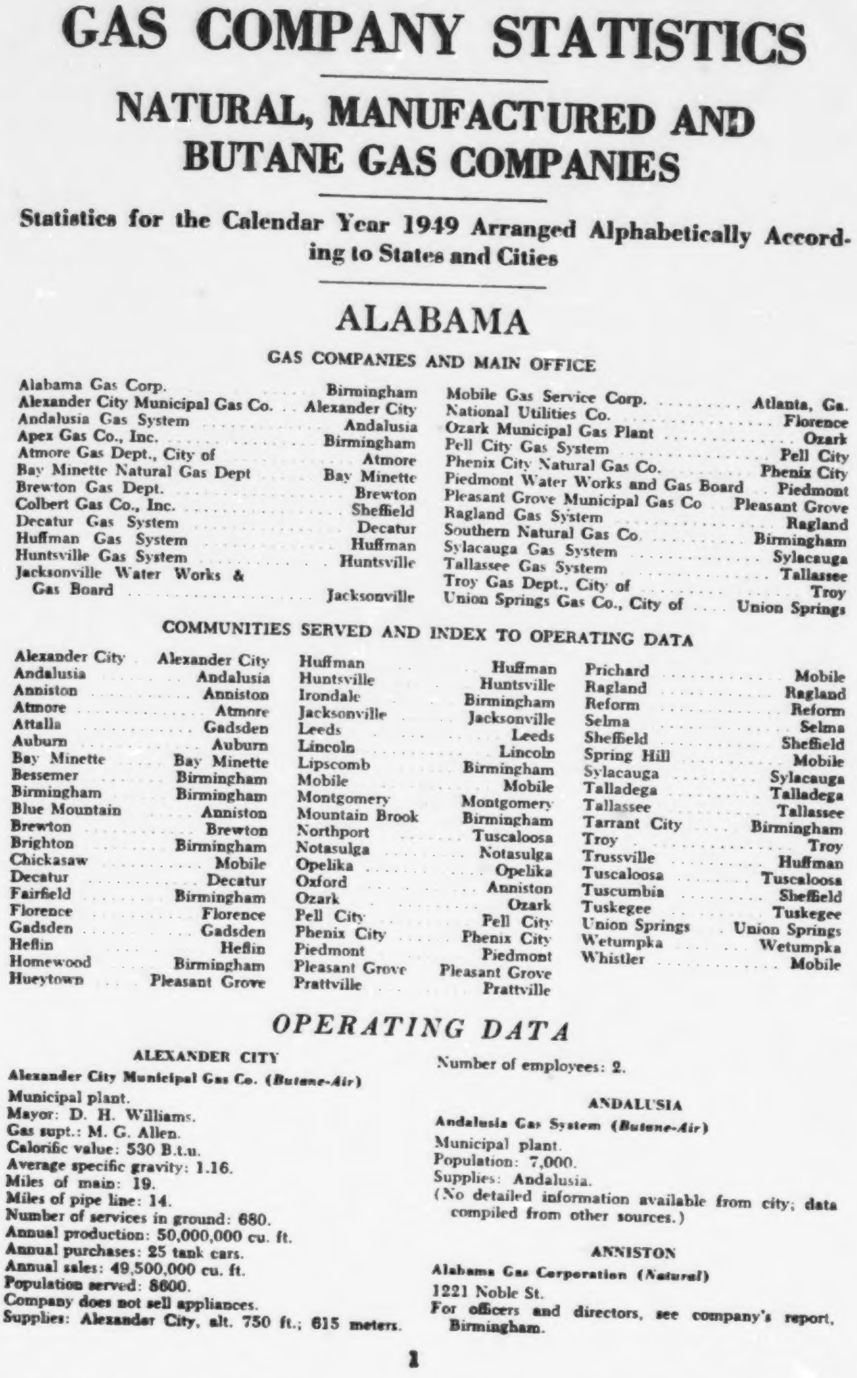
Figure A-1. Sample Page from Brown's 1890 Edition



GAS COMPANY STATISTICS

NATURAL, MANUFACTURED AND BUTANE GAS COMPANIES

Statistics for the Calendar Year 1949 Arranged Alphabetically According to States and Cities

ALABAMA

GAS COMPANIES AND MAIN OFFICE

Alabama Gas Corp.	Birmingham
Alexander City Municipal Gas Co.	Alexander City
Andalusia Gas System	Andalusia
Apex Gas Co., Inc.	Birmingham
Atmore Gas Dept., City of	Atmore
Bay Minette Natural Gas Dept	Bay Minette
Brewton Gas Dept.	Brewton
Colbert Gas Co., Inc.	Sheffield
Decatur Gas System	Decatur
Huffman Gas System	Huffman
Huntsville Gas System	Huntsville
Jacksonville Water Works & Gas Board	Jacksonville
Mobile Gas Service Corp.	Atlanta, Ga.
National Utilities Co.	Florence
Ozark Municipal Gas Plant	Ozark
Pell City Gas System	Pell City
Phenix City Natural Gas Co.	Phenix City
Piedmont Water Works and Gas Board	Piedmont
Pleasant Grove Municipal Gas Co	Pleasant Grove
Ragland Gas System	Ragland
Southern Natural Gas Co.	Birmingham
Sylacauga Gas System	Sylacauga
Tallassee Gas System	Tallassee
Troy Gas Dept., City of	Troy
Union Springs Gas Co., City of	Union Springs

COMMUNITIES SERVED AND INDEX TO OPERATING DATA

Alexander City	Alexander City
Andalusia	Andalusia
Anniston	Anniston
Atmore	Atmore
Attalla	Gadsden
Auburn	Auburn
Bay Minette	Bay Minette
Bessemer	Birmingham
Birmingham	Birmingham
Blue Mountain	Anniston
Brewton	Brewton
Brighton	Birmingham
Chickasaw	Mobile
Decatur	Decatur
Fairfield	Birmingham
Florence	Florence
Gadsden	Gadsden
Heflin	Heflin
Homewood	Birmingham
Hueytown	Pleasant Grove
Huffman	Huffman
Huntsville	Huntsville
Irondale	Birmingham
Jacksonville	Jacksonville
Leeds	Leeds
Lincoln	Lincoln
Lipscomb	Birmingham
Mobile	Mobile
Montgomery	Montgomery
Mountain Brook	Birmingham
Northport	Tuscaloosa
Notasulga	Notasulga
Opelika	Opelika
Oxford	Anniston
Ozark	Ozark
Pell City	Pell City
Phenix City	Phenix City
Piedmont	Piedmont
Pleasant Grove	Pleasant Grove
Prattville	Prattville
Prichard	Mobile
Ragland	Ragland
Reform	Reform
Selma	Selma
Sheffield	Sheffield
Spring Hill	Mobile
Sylacauga	Sylacauga
Talladega	Talladega
Tallassee	Tallassee
Tarrant City	Birmingham
Troy	Troy
Trussville	Huffman
Tuscaloosa	Tuscaloosa
Tuscumbia	Sheffield
Tuskegee	Tuskegee
Union Springs	Union Springs
Wetumpka	Wetumpka
Whistler	Mobile

OPERATING DATA

ALEXANDER CITY

Alexander City Municipal Gas Co. (*Butane-Air*)

Municipal plant.
Mayor: D. H. Williams.
Gas supt.: M. G. Allen.
Calorific value: 530 B.t.u.
Average specific gravity: 1.16.
Miles of main: 19.
Miles of pipe line: 14.
Number of services in ground: 680.
Annual production: 50,000,000 cu. ft.
Annual purchases: 25 tank cars.
Annual sales: 49,500,000 cu. ft.
Population served: 8600.
Company does not sell appliances.
Supplies: Alexander City, alt. 750 ft.; 615 meters.
Number of employees: 2.

ANDALUSIA

Andalusia Gas System (*Butane-Air*)

Municipal plant.
Population: 7,000.
Supplies: Andalusia.
(No detailed information available from city; data compiled from other sources.)

ANNISTON

Alabama Gas Corporation (*Natural*)

1221 Noble St.
For officers and directors, see company's report, Birmingham.

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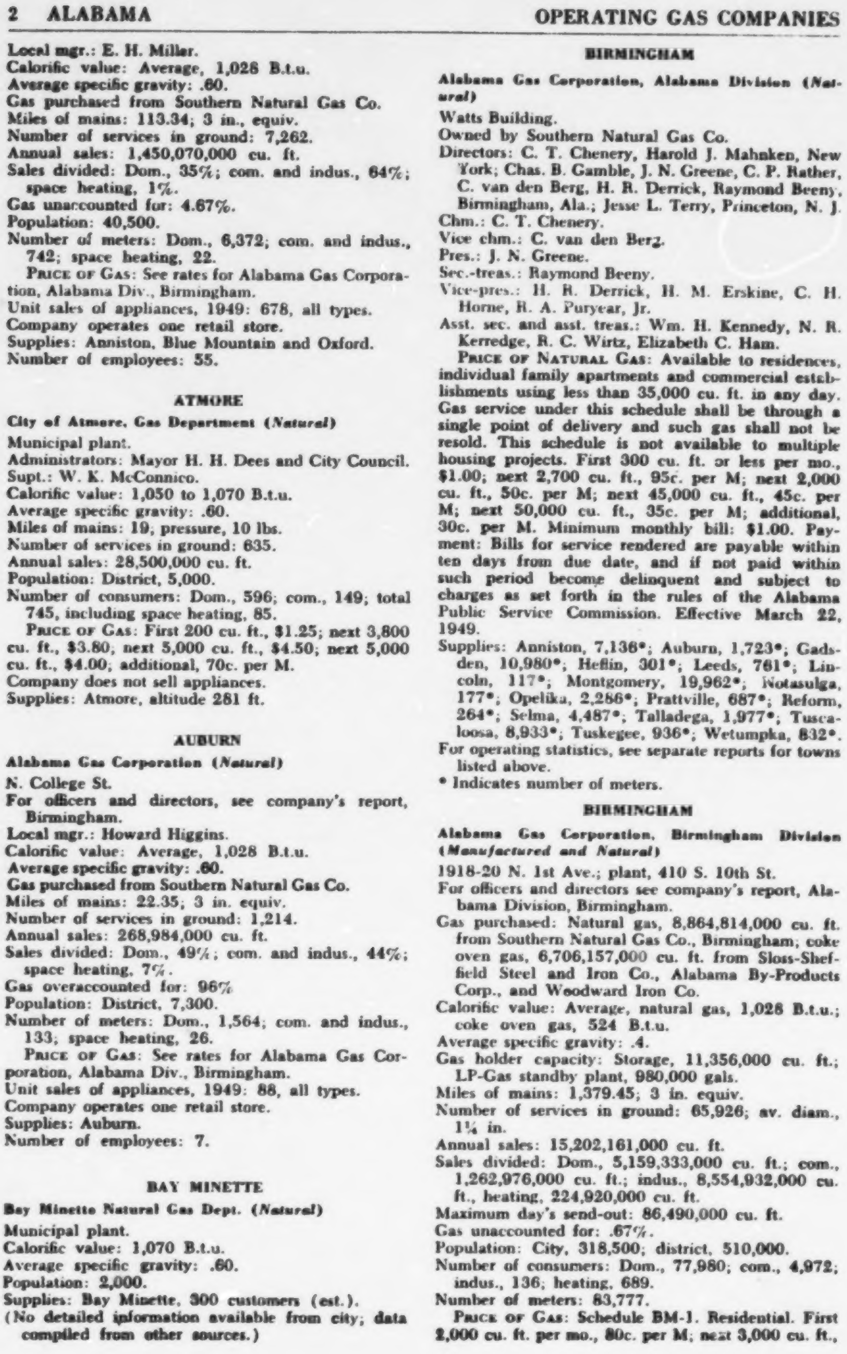
Figure A-2. Sample Page from Brown's 1950-51 Edition.



2 ALABAMA — OPERATING GAS COMPANIES

Local mgr.: E. H. Miller.
Calorific value: Average, 1,028 B.t.u.
Average specific gravity: .60.
Gas purchased from Southern Natural Gas Co.
Miles of mains: 113.34; 3 in., equiv.
Number of services in ground: 7,262.
Annual sales: 1,450,070,000 cu. ft.
Sales divided: Dom., 35%; com. and indus., 64%; space heating, 1%.
Gas unaccounted for: 4.67%.
Population: 40,500.
Number of meters: Dom., 6,372; com. and indus., 742; space heating, 22.
Price of Gas: See rates for Alabama Gas Corporation, Alabama Div., Birmingham.
Unit sales of appliances, 1949: 678, all types.
Company operates one retail store.
Supplies: Anniston, Blue Mountain and Oxford.
Number of employees: 55.

ATMORE

City of Atmore, Gas Department (*Natural*)

Municipal plant.
Administrators: Mayor H. H. Dees and City Council.
Supt.: W. K. McConnico.
Calorific value: 1,050 to 1,070 B.t.u.
Average specific gravity: .60.
Miles of mains: 19; pressure, 10 lbs.
Number of services in ground: 635.
Annual sales: 28,500,000 cu. ft.
Population: District, 5,000.
Number of consumers: Dom., 596; com., 149; total 745, including space heating, 85.
Price of Gas: First 200 cu. ft., $1.25; next 3,800 cu. ft., $3.80; next 5,000 cu. ft., $4.50; next 5,000 cu. ft., $4.00; additional, 70c. per M.
Company does not sell appliances.
Supplies: Atmore, altitude 281 ft.

AUBURN

Alabama Gas Corporation (*Natural*)

N. College St.
For officers and directors, see company's report, Birmingham.
Local mgr.: Howard Higgins.
Calorific value: Average, 1,028 B.t.u.
Average specific gravity: .60.
Gas purchased from Southern Natural Gas Co.
Miles of mains: 22.35; 3 in. equiv.
Number of services in ground: 1,214.
Annual sales: 268,984,000 cu. ft.
Sales divided: Dom., 49%; com. and indus., 44%; space heating, 7%.
Gas overaccounted for: 96%
Population: District, 7,300.
Number of meters: Dom., 1,564; com. and indus., 133; space heating, 26.
Price of Gas: See rates for Alabama Gas Corporation, Alabama Div., Birmingham.
Unit sales of appliances, 1949: 88, all types.
Company operates one retail store.
Supplies: Auburn.
Number of employees: 7.

BAY MINETTE

Bay Minette Natural Gas Dept. (*Natural*)

Municipal plant.
Calorific value: 1,070 B.t.u.
Average specific gravity: .60.
Population: 2,000.
Supplies: Bay Minette, 300 customers (est.).
(No detailed information available from city; data compiled from other sources.)

BIRMINGHAM

Alabama Gas Corporation, Alabama Division (*Natural*)

Watts Building.
Owned by Southern Natural Gas Co.
Directors: C. T. Chenery, Harold J. Mahnken, New York; Chas. B. Gamble, J. N. Greene, C. P. Rather, C. van den Berg, H. R. Derrick, Raymond Beeny, Birmingham, Ala.; Jesse L. Terry, Princeton, N. J.
Chm.: C. T. Chenery.
Vice chm.: C. van den Berg.
Pres.: J. N. Greene.
Sec.-treas.: Raymond Beeny.
Vice-pres.: H. R. Derrick, H. M. Erskine, C. H. Horne, R. A. Puryear, Jr.
Asst. sec. and asst. treas.: Wm. H. Kennedy, N. R. Kerredge, R. C. Wirtz, Elizabeth C. Ham.
Price of Natural Gas: Available to residences, individual family apartments and commercial establishments using less than 35,000 cu. ft. in any day. Gas service under this schedule shall be through a single point of delivery and such gas shall not be resold. This schedule is not available to multiple housing projects. First 300 cu. ft. or less per mo., $1.00; next 2,700 cu. ft., 95c. per M; next 2,000 cu. ft., 50c. per M; next 45,000 cu. ft., 45c. per M; next 50,000 cu. ft., 35c. per M; additional, 30c. per M. Minimum monthly bill: $1.00. Payment: Bills for service rendered are payable within ten days from due date, and if not paid within such period become delinquent and subject to charges as set forth in the rules of the Alabama Public Service Commission. Effective March 22, 1949.
Supplies: Anniston, 7,136*; Auburn, 1,723*; Gadsden, 10,980*; Heflin, 301*; Leeds, 761*; Lincoln, 117*; Montgomery, 19,962*; Notasulga, 177*; Opelika, 2,286*; Prattville, 687*; Reform, 264*; Selma, 4,487*; Talladega, 1,977*; Tuscaloosa, 8,933*; Tuskegee, 936*; Wetumpka, 832*.
For operating statistics, see separate reports for towns listed above.
* Indicates number of meters.

BIRMINGHAM

Alabama Gas Corporation, Birmingham Division (*Manufactured and Natural*)

1918-20 N. 1st Ave.; plant, 410 S. 10th St.
For officers and directors see company's report, Alabama Division, Birmingham.
Gas purchased: Natural gas, 8,864,814,000 cu. ft. from Southern Natural Gas Co., Birmingham; coke oven gas, 6,706,157,000 cu. ft. from Sloss-Sheffield Steel and Iron Co., Alabama By-Products Corp., and Woodward Iron Co.
Calorific value: Average, natural gas, 1,028 B.t.u.; coke oven gas, 524 B.t.u.
Average specific gravity: .4.
Gas holder capacity: Storage, 11,356,000 cu. ft.; LP-Gas standby plant, 980,000 gals.
Miles of mains: 1,379.45; 3 in. equiv.
Number of services in ground: 65,926; av. diam., 1¼ in.
Annual sales: 15,202,161,000 cu. ft.
Sales divided: Dom., 5,159,333,000 cu. ft.; com., 1,262,976,000 cu. ft.; indus., 8,554,932,000 cu. ft., heating, 224,920,000 cu. ft.
Maximum day's send-out: 86,490,000 cu. ft.
Gas unaccounted for: .67%.
Population: City, 318,500; district, 510,000.
Number of consumers: Dom., 77,980; com., 4,972; indus., 136; heating, 689.
Number of meters: 83,777.
Price of Gas: Schedule BM-1. Residential. First 2,000 cu. ft. per mo., 80c. per M; next 3,000 cu. ft.,

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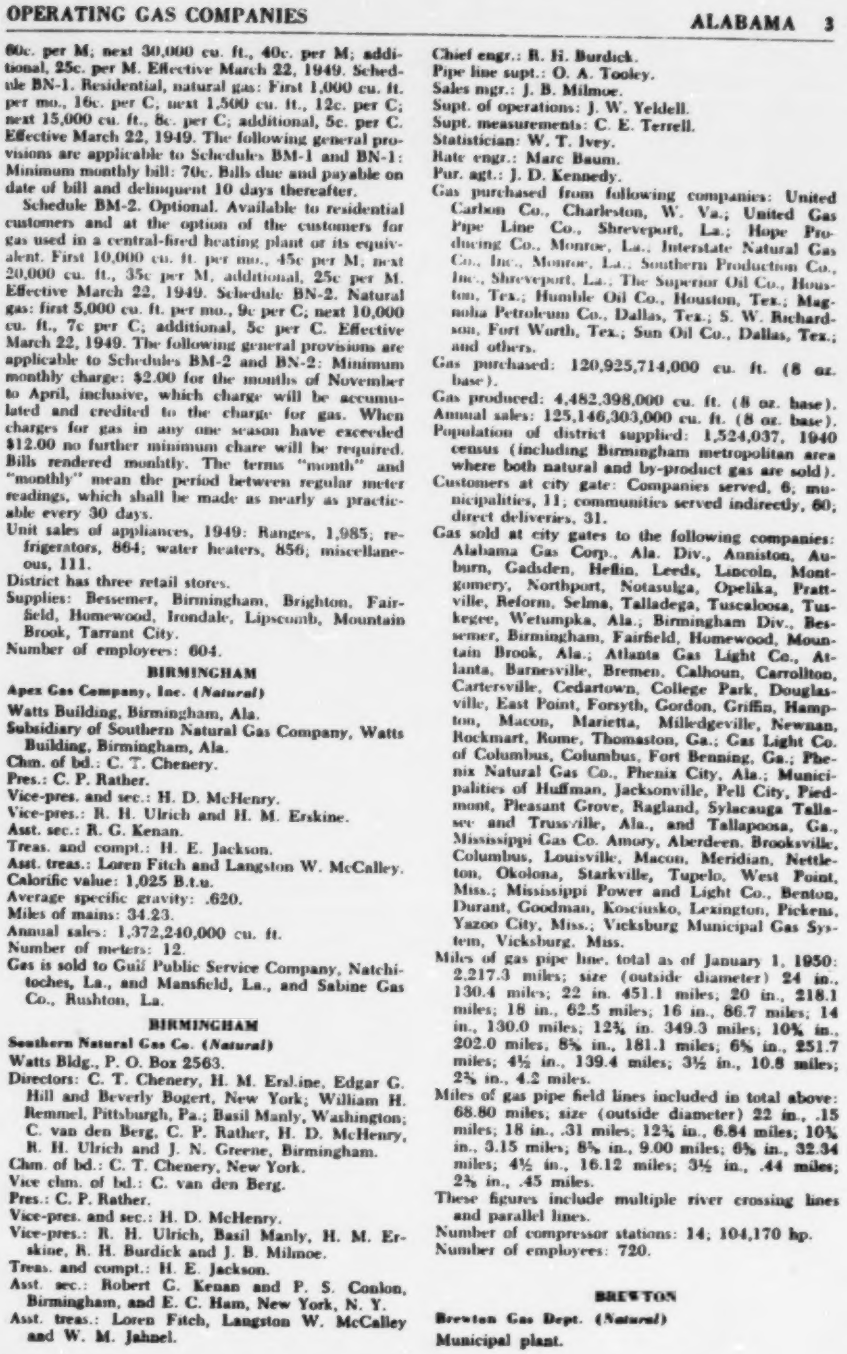
Figure A-2 (continued)



60c. per M; next 30,000 cu. ft., 40c. per M; additional, 25c. per M. Effective March 22, 1949. Schedule BN-1. Residential, natural gas: First 1,000 cu. ft. per mo., 16c. per C; next 1,500 cu. ft., 12c. per C; next 15,000 cu. ft., 8c. per C; additional, 5c. per C. Effective March 22, 1949. The following general provisions are applicable to Schedules BM-1 and BN-1: Minimum monthly bill: 70c. Bills due and payable on date of bill and delinquent 10 days thereafter.

Schedule BM-2. Optional. Available to residential customers and at the option of the customers for gas used in a central-fired heating plant or its equivalent. First 10,000 cu. ft. per mo., 45c per M; next 20,000 cu. ft., 35c per M, additional, 25c per M. Effective March 22, 1949. Schedule BN-2. Natural gas: first 5,000 cu. ft. per mo., 9c per C; next 10,000 cu. ft., 7c per C; additional, 5c per C. Effective March 22, 1949. The following general provisions are applicable to Schedules BM-2 and BN-2: Minimum monthly charge: $2.00 for the months of November to April, inclusive, which charge will be accumulated and credited to the charge for gas. When charges for gas in any one season have exceeded $12.00 no further minimum chare will be required. Bills rendered monhtly. The terms "month" and "monthly" mean the period between regular meter readings, which shall be made as nearly as practicable every 30 days.

Unit sales of appliances, 1949: Ranges, 1,985; refrigerators, 864; water heaters, 856; miscellaneous, 111.

District has three retail stores.

Supplies: Bessemer, Birmingham, Brighton, Fairfield, Homewood, Irondale, Lipscomb, Mountain Brook, Tarrant City.

Number of employees: 604.

BIRMINGHAM

Apex Gas Company, Inc. (*Natural*)

Watts Building, Birmingham, Ala.

Subsidiary of Southern Natural Gas Company, Watts Building, Birmingham, Ala.

Chm. of bd.: C. T. Chenery.

Pres.: C. P. Rather.

Vice-pres. and sec.: H. D. McHenry.

Vice-pres.: R. H. Ulrich and H. M. Erskine.

Asst. sec.: R. G. Kenan.

Treas. and compt.: H. E. Jackson.

Asst. treas.: Loren Fitch and Langston W. McCalley.

Calorific value: 1,025 B.t.u.

Average specific gravity: .620.

Miles of mains: 34.23.

Annual sales: 1,372,240,000 cu. ft.

Number of meters: 12.

Gas is sold to Gulf Public Service Company, Natchitoches, La., and Mansfield, La., and Sabine Gas Co., Rushton, La.

BIRMINGHAM

Southern Natural Gas Co. (*Natural*)

Watts Bldg., P. O. Box 2563.

Directors: C. T. Chenery, H. M. Erskine, Edgar G. Hill and Beverly Bogert, New York; William H. Remmel, Pittsburgh, Pa.; Basil Manly, Washington; C. van den Berg, C. P. Rather, H. D. McHenry, R. H. Ulrich and J. N. Greene, Birmingham.

Chm. of bd.: C. T. Chenery, New York.

Vice chm. of bd.: C. van den Berg.

Pres.: C. P. Rather.

Vice-pres. and sec.: H. D. McHenry.

Vice-pres.: R. H. Ulrich, Basil Manly, H. M. Erskine, R. H. Burdick and J. B. Milmoe.

Treas. and compt.: H. E. Jackson.

Asst. sec.: Robert G. Kenan and P. S. Conlon, Birmingham, and E. C. Ham, New York, N. Y.

Asst. treas.: Loren Fitch, Langston W. McCalley and W. M. Jahnel.

Chief engr.: R. H. Burdick.

Pipe line supt.: O. A. Tooley.

Sales mgr.: J. B. Milmoe.

Supt. of operations: J. W. Yeldell.

Supt. measurements: C. E. Terrell.

Statistician: W. T. Ivey.

Rate engr.: Marc Baum.

Pur. agt.: J. D. Kennedy.

Gas purchased from following companies: United Carbon Co., Charleston, W. Va.; United Gas Pipe Line Co., Shreveport, La.; Hope Producing Co., Monroe, La., Interstate Natural Gas Co., Inc., Monroe, La.; Southern Production Co., Inc., Shreveport, La.; The Superior Oil Co., Houston, Tex.; Humble Oil Co., Houston, Tex.; Magnolia Petroleum Co., Dallas, Tex.; S. W. Richardson, Fort Worth, Tex.; Sun Oil Co., Dallas, Tex.; and others.

Gas purchased: 120,925,714,000 cu. ft. (8 oz. base).

Gas produced: 4,482,398,000 cu. ft. (8 oz. base).

Annual sales: 125,146,303,000 cu. ft. (8 oz. base).

Population of district supplied: 1,524,037, 1940 census (including Birmingham metropolitan area where both natural and by-product gas are sold).

Customers at city gate: Companies served, 6; municipalities, 11; communities served indirectly, 60; direct deliveries, 31.

Gas sold at city gates to the following companies: Alabama Gas Corp., Ala. Div., Anniston, Auburn, Gadsden, Heflin, Leeds, Lincoln, Montgomery, Northport, Notasulga, Opelika, Prattville, Reform, Selma, Talladega, Tuscaloosa, Tuskegee, Wetumpka, Ala.; Birmingham Div., Bessemer, Birmingham, Fairfield, Homewood, Mountain Brook, Ala.; Atlanta Gas Light Co., Atlanta, Barnesville, Bremen, Calhoun, Carrollton, Cartersville, Cedartown, College Park, Douglasville, East Point, Forsyth, Gordon, Griffin, Hampton, Macon, Marietta, Milledgeville, Newnan, Rockmart, Rome, Thomaston, Ga.; Gas Light Co. of Columbus, Columbus, Fort Benning, Ga.; Phenix Natural Gas Co., Phenix City, Ala.; Municipalities of Huffman, Jacksonville, Pell City, Piedmont, Pleasant Grove, Ragland, Sylacauga Tallassee and Trussville, Ala., and Tallapoosa, Ga., Mississippi Gas Co. Amory, Aberdeen, Brooksville, Columbus, Louisville, Macon, Meridian, Nettleton, Okolona, Starkville, Tupelo, West Point, Miss.; Mississippi Power and Light Co., Benton, Durant, Goodman, Kosciusko, Lexington, Pickens, Yazoo City, Miss.; Vicksburg Municipal Gas System, Vicksburg, Miss.

Miles of gas pipe line, total as of January 1, 1950: 2,217.3 miles; size (outside diameter) 24 in., 130.4 miles; 22 in. 451.1 miles; 20 in., 218.1 miles; 18 in., 62.5 miles; 16 in., 86.7 miles; 14 in., 130.0 miles; 12¾ in. 349.3 miles; 10¾ in., 202.0 miles, 8⅝ in., 181.1 miles; 6⅝ in., 251.7 miles; 4½ in., 139.4 miles; 3½ in., 10.8 miles; 2⅜ in., 4.2 miles.

Miles of gas pipe field lines included in total above: 68.80 miles; size (outside diameter) 22 in., .15 miles; 18 in., .31 miles; 12¾ in., 6.84 miles; 10¾ in., 3.15 miles; 8⅝ in., 9.00 miles; 6⅝ in., 32.34 miles; 4½ in., 16.12 miles; 3½ in., .44 miles; 2⅜ in., .45 miles.

These figures include multiple river crossing lines and parallel lines.

Number of compressor stations: 14; 104,170 hp.

Number of employees: 720.

BREWTON

Brewton Gas Dept. (*Natural*)

Municipal plant.

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Figure A-2 (continued)

DESCRIPTION OF VARIOUS MANUFACTURED GAS TYPES

This part briefly describes the various manufactured gas types and their distinguishing characteristics. There are three different major types of manufactured gas:

1. Coal
2. Water
3. Oil

Manufactured gas can also be sold as a mixture of the above gases. These three types are distinguished by their composition and respective processes of manufacture. This study is primarily concerned with coal and water gases because the large majority of manufactured gas consists of these two types. Each gas type is described separately below.

Coal Gas

Coal gas is produced from the heat treatment of coal in a closed vessel, or retort, a process known as carbonization. This process produces a combustible gas comprised mainly of hydrogen and methane which has a typical heating value between 400 and 550 British Thermal Units (BTU)/cubic foot. The primary by-products that result from carbonization are coke, tar, and ammonia.

Water Gas

Water gas was usually used to supplement the production of coal gas in order for gas manufacturers to meet cyclic demands. Water gas is produced from passing steam (thus the term "water gas") through hot coke to form a gas comprised mainly of hydrogen and carbon monoxide. Heat treatment of coke or oil to produce gas was known as gasification, whereas carbonization referred to the heat treatment of coal. Water gas typically has a heating value of approximately 300 BTU/cubic foot and is non-luminous (i.e., it has negligible illuminance when combusted) due to the lack of rich hydrocarbons. Because town gas was used primarily for lighting purposes in the 1800s, it was desired to "enrich" the water gas, usually by the addition of gas produced from the cracking of oil, to form "carburetted water gas". The oil gas, having a higher heating value (approximately 1,700 BTU/cubic foot) and hydrocarbon content than water gas, resulted in a gas mixture that was comparable to coal gas (in terms of heating and illuminating values). The carburetted water gas was also amenable to the same purification processes as coal gas although less coke, tar, and ammonia production were characteristic of water gas production compared with coal gas production.

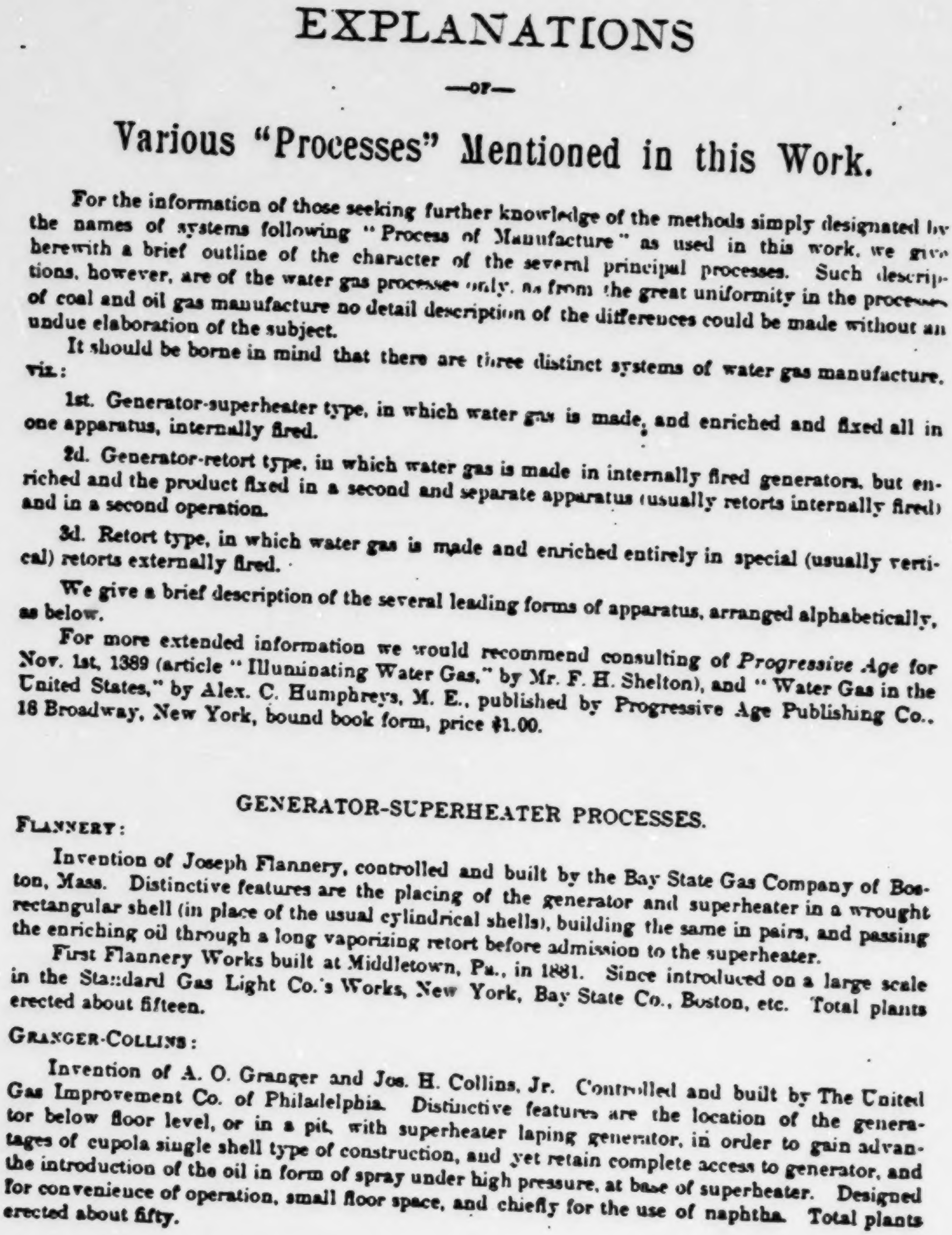
Oil Gas

Gas produced from oil as the main raw material was less commonly used compared with coal and water gas due to the relatively high cost of oil gas production. As described above, oil gas was typically used to enrich water gas. Oil gas was usually produced from the thermal cracking of oil, a process known as oil gasification. The cracking was achieved by the spraying of oil via a carburettor (thus the term "carburetted water gas") onto hot brickwork or a bed of selected catalyst. The primary by-products resulting from oil gasification were typically oil derivatives, tar, and naphthalene.

Additional discussion of the manufacturing processes and gas types may be found elsewhere (Reference 3).

DESCRIPTIONS OF VARIOUS WATER GAS PROCESSES (FROM BROWN'S DIRECTORY)

This part contains descriptions of water gas processes copied from the 1890 edition of Brown's Directory of American Gas Companies. The intent of presenting this is to give the reader a better understanding of the kind of material that is available and was used in this survey. The following reproductions contained in the remainder of Appendix A, which are copyrighted, are used with the permission of Harcourt Brace Jovanovich Publications, the publishers of Brown's Directory of American Gas Companies.



EXPLANATIONS

—OF—

Various "Processes" Mentioned in this Work.

For the information of those seeking further knowledge of the methods simply designated by the names of systems following "Process of Manufacture" as used in this work, we give herewith a brief outline of the character of the several principal processes. Such descriptions, however, are of the water gas processes only, as from the great uniformity in the processes of coal and oil gas manufacture no detail description of the differences could be made without an undue elaboration of the subject.

It should be borne in mind that there are three distinct systems of water gas manufacture, viz.:

1st. Generator-superheater type, in which water gas is made, and enriched and fixed all in one apparatus, internally fired.

2d. Generator-retort type, in which water gas is made in internally fired generators, but enriched and the product fixed in a second and separate apparatus (usually retorts internally fired) and in a second operation.

3d. Retort type, in which water gas is made and enriched entirely in special (usually vertical) retorts externally fired.

We give a brief description of the several leading forms of apparatus, arranged alphabetically, as below.

For more extended information we would recommend consulting of *Progressive Age* for Nov. 1st, 1889 (article "Illuminating Water Gas," by Mr. F. H. Shelton), and "Water Gas in the United States," by Alex. C. Humphreys, M. E., published by Progressive Age Publishing Co., 18 Broadway, New York, bound book form, price $1.00.

GENERATOR-SUPERHEATER PROCESSES.

FLANNERY:

Invention of Joseph Flannery, controlled and built by the Bay State Gas Company of Boston, Mass. Distinctive features are the placing of the generator and superheater in a wrought rectangular shell (in place of the usual cylindrical shells), building the same in pairs, and passing the enriching oil through a long vaporizing retort before admission to the superheater.

First Flannery Works built at Middletown, Pa., in 1881. Since introduced on a large scale in the Standard Gas Light Co.'s Works, New York, Bay State Co., Boston, etc. Total plants erected about fifteen.

GRANGER-COLLINS:

Invention of A. O. Granger and Jos. H. Collins, Jr. Controlled and built by The United Gas Improvement Co. of Philadelphia. Distinctive features are the location of the generator below floor level, or in a pit, with superheater laping generator, in order to gain advantages of cupola single shell type of construction, and yet retain complete access to generator, and the introduction of the oil in form of spray under high pressure, at base of superheater. Designed for convenience of operation, small floor space, and chiefly for the use of naphtha. Total plants erected about fifty.

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Figure A-3. Description of Processes from Brown's

Hanlon-Leadley:

Invention of John Hanlon and————Leadley. Controlled by the United Coal and Oil Gas Co., New York. Distinctive feature is the use of two or three generators on a common connecting base. In making water gas steam is passed down one generator and up the next, and this course reversed the next and alternate runs.

This process has become more or less celebrated through the recent patent right litigation between its promoters and the owners of the Lowe patents, resulting in a victory for the last named parties.

Previously to this some fifteen plants had been erected, the first at Passaic, N. J., in 1884; the largest for the Philadelphia Gas Bureau, capacity 6,000,000 per diem.

Loomis:

Invention of Burdett Loomis. Controlled by the Loomis Gas Machinery Co., Philadelphia, Pa. This apparatus as built for illuminating gas, chiefly distinctive in the use of soft coal in generator—with a downward blast or exhaust draught, and peculiar filling of superheater for caring for the soot and ash from the use of soft coal. Built in rectangular wrought shell. First plant erected at Cottage City, Mass., 1886. Since then about six others of this form.

The Loomis system as now pushed by its promoters is for an apparatus chiefly for fuel gas. This form consists of but a simple generator to make "producer gas," and non-illuminating fuel gas. This, if desired for illumination, is afterwards passed through retorts and enriched and fixed, as in the next class of water gas apparatus. A number of plants of this form have been erected, almost entirely, however, for industrial manufacturing purposes, such as mills, iron working establishments, etc.

Lowe:

Invention of Prof. T. S. C. Lowe. Controlled and built by The United Gas Improvement Co., Philadelphia, Pa. Distinctive features of this process are the use of a generator in connection with a superheating or fixing chamber, fired by the internal combustion of the gases formed in "blowing up" the generator: also the introduction of oil, or other enriching substances into the hydrogen gas, and the fixing of the two by passage through the superheater: also the use of the superheater for superheating steam if desired. This process has lately been upheld at length, in the courts, as a base patent process covering the generator-superheater system of water gas manufacture.

The Lowe apparatus has been built in various forms, of one principle, but differing in design and detail. (Double deck, "Gooseneck," Chicago, "Humphreys," Double superheater, etc.) As now built it is perhaps the only apparatus *satisfactorily* handling crude Lima oils, or distillates, etc., for high candle power fixed gas. This type of apparatus is adapted to the largest or smallest works, and has been erected in about 125 throughout the country. First works operated in 1874, in Phœnixville, Pa.

McKay-Critchlow:

Invention of Peter English, but commonly known under the name of McKay-Critchlow, from its use in connection with the patent of that name, for the carbureting of natural gas. Controlled by The United Gas Improvement Co. Distinctive feature is the use of a single vertical shell, with superheater in upper half—generator in lower—separated by solid arch. Gases pass around same, through suitable flues, from generator to superheater. For use to enrich natural gas steam is partially replaced by natural gas, which is decomposed and enriched and fixed, as in making water gas. First plant erected in London, Ont., 1882. Total plants erected about forty.

Martin:

Invention of Thomas Martin. Controlled by Wm. Henry White, New York. Distinctive feature is the introduction of the oil in an expansion of the connection between generator and superheater. Otherwise, almost identical with "Gooseneck" early Lowe form. Four plants of this form have been erected.

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Figure A-3 (continued)

PRATT & RYAN:

Invention of Messrs. Pratt & Ryan, of Chicago. Controlled by the same. Distinctive feature is the generator and superheater in single vertical shell (as in McKay and Springer), built in pairs, for reversing course of steam in alternate runs, and the introduction of the oil through cored fire brick arches in the superheater. Some five plants have been erected of this form.

SPRINGER:

Invention of T. G. Springer. Controlled by the National Gas Light and Fuel Co., of Chicago. Principal features are the combination of the generator and superheater in one vertical shell, commonly called the "cupola" form, to conserve floor space and radiation. Later forms of this apparatus are fitted with external flues, etc., to reverse the course of flow of gases through the apparatus. Oil is admitted by steam jet. First plant erected in Chicago, 1882. Total plants erected about fifty, chiefly in the West and Mississippi Valley territory.

VAN STEENBURGH:

Invention of B. Van Steenburgh, New York, by whom controlled. Distinguishing feature is the use of space above coal in generator for superheater, by interposition of fire brick tile; or, in other words, making water gas all in one chamber. Adapted for naphtha only. Some dozen plants or so of this form were erected in the Middle States from 1861 to 1885.

GENERATOR-RETORT SYSTEM.

EDGERTON:

Invention of H. H. Edgerton, Danbury, Conn., by whom controlled. Distinguishing feature of this process is the use of vertical retorts for the enriching (by the addition of oil), and fixing of water gas, passed through them; which retorts are externally fired by the gases formed in blowing up the generator for making the water gas. Some four or five plants have been erected of this form.

EVANS:

Hardly a distinct process, but rather a combination of coal and water gas apparatus. Coal is carbonized in an ordinary bench of retorts. The coke when withdrawn is charged into generators, located near by, in which non-luminous water gas is made. The mixture of water gas and coal gas is practically non-luminous, and is sold for fuel gas. When desired for illumination an incandescent burner is necessary. This "process" is in use in but one or two places only.

JERZMANOWSKI:

Invention of E. J. Jerzmanowski. Controlled by U. S. Equitable Co., New York City. This system is, strictly speaking, a cross between this and the preceding type of water gas manufacture, as the primary generating apparatus consists of a generator and fixing chamber (filled with limestone) with blasts, steam and oil inlets, as in the Lowe process. In this a gas of moderate candle power is made, which is afterwards led off, passed over oil vapors, and finally fixed by passing through retorts externally fired. This process is in use on a large scale in New York, Chicago, Baltimore, etc. Limited to the use of naphtha, and best adapted to large works.

MEEZE:

Invention of ——— Meeze, of England. Controlled by the International Gas Co., New York. In this system non-luminous water gas is made in generators, independently—as in all of this class. Oil gas is made separately in retorts of peculiar construction, and the water gas admixed with same, at that point, or beyond. This process has been introduced in some three or four works only.

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Figure A-3 (continued)

TESSIE DU MOTAY:

Invention of M. Tessie du Motay, of France. Controlled and built by the Continental Iron Works, Brooklyn, N. Y. Distinguishing features of this process are the making of a non-luminous water gas in generators (gasogenes) which is afterwards passed over oil vapors, and thence through retorts for fixing. This while making an excellent and uniform grade, limits to the use of naphtha or other volatile oils—a disadvantage as compared with the use of crude Lima oils, at the present day. This process sometimes called the "Municipal," from its first use by the company of that name in New York in 1875, is best adapted to large works. It is in use in New York, Brooklyn and three or four other points.

WILKINSON:

Invention of Dr. Wilkinson. Controlled and built by Bartlett, Hayward & Co., Baltimore, Md. This is practically like the preceding process, except that the generators are so constructed that water gas is made up or down, through the coal bed, at will. This gas passes through scrubbers, illuminator, meter and benches, etc., for fixing, as the preceding, and likewise cannot use Lima or other heavy oils successfully. First plant erected in the Mutual Co.'s Works, New York, and later in some three or four others.

RETORT PROCESSES.

ALLEN-HARRIS:

Invention of W. A. Gwynne and G. W. Harris. Controlled by the National Gas Improvement Co., New York. Distinguishing feature in this, which is typical of its class, is an externally fired vertical retort, filled with carbon, through which steam is passed and decomposed. This is afterwards passed, with the addition of oil for enriching, through other retorts for fixing. This is one of the earliest of water gas processes, dating back to 1868. Some six or eight plants have been erected, about half of which are in operation.

JERZMANOWSKI "Baby" process:

Invention of ———— Controlled by U. S. Equitable Co. of New York. Distinguishing feature is the use of a "boot leg" shaped retort, externally fired, filled with limestone, or other refractory fixing substances, through which steam and oil are forced, decomposed into an illuminating water gas. This process has been introduced in some four or five works within the past four years.

The Portsmouth N. H., Gas Company says: "Nothing better than the *Thomson-Houston.*" See advertisement, page x.

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Figure A-3 (continued)

Appendix B

IDENTIFICATION OF TOWN GAS MANUFACTURING SITES - ALL PLANTS (1890 - 1950)

This appendix contains the detailed data concerning gas production, by-product production, and manufacturing processes reported for each decennial year for each plant. The following explains the information included under each column heading of the table:

City - This column heading contains the city name in which the reported plant is located. The cities are arranged first by chronological order (based on the first decennial year in which the site was found in Brown's) and then alphabetically by city name. As mentioned above, there is almost always a one-to-one correspondence between city entries and plant sites. There were, however, instances where several sites were listed under a single city entry. This was usually a result of consolidation of nearby plants that were listed separately in previous years. Thus, these previously listed plant sites are separately included in the total site tally (see Table 1). Although local addresses were reported in later editions of Brown's, these were not included because the reported address did not necessarily refer to the plant site (the address may refer to non-manufacturing locations; e.g., main office).

Year - This column lists the decennial years for which data were compiled (from 1890 to 1950). These years are repeated for each city entry.

Status - The symbol in this column (refer to legend) indicates the status for a particular year. The possibilities are that the plant (in that year):

1. Manufactured gas (*),
2. Purchased gas (P),
3. Only supplied natural gas (N),
4. Did not report data, or no information was found (0),
5. Discontinued operation (X), or
6. Was not yet in existence (blank); e.g., under construction

Once it was determined that a plant was a natural gas supplier, solely a purchaser of gas, or discontinued gas manufacturing operations, data for subsequent years were not compiled. This is indicated by a "-" under the status column.

Gas Type - The entry under GAS TYPE indicates the specific type of manufactured gas: coal, water (or carburetted water), oil, or other. The definition of each gas type is given in Appendix A. It is possible that more than one type of gas was produced; this is indicated by multiple entries under GAS TYPE separated by commas. For example, the entry, "C,W", means that both coal and water gas were produced that year.

The gas type was usually either specified in the reported annual production or determined from the listing of process of manufacture. For example, the use of the Lowe process almost invariably indicates the production of water gas. When the gas type could not be determined from the available information, a "?" was entered under GAS TYPE. Occasional inconsistencies were found between the annual production and the process of manufacture information reported in *Brown's*. These were attributed to the subjective nature of the surveys, on which the reported data were based. In these cases, the annual production information was considered more reliable than the reported process of manufacture.

Gas Production Rates - Annual gas productions are reported separately for coal, water, oil, and other types of manufactured gas in units of million standard cubic feet under this column (rounded to the nearest MM scf). The production for carburetted water gas, which is essentially enriched water gas (see Appendix A), was included in the water gas column. "Other" types of manufactured gas usually referred to coke oven based gas. The sum of these productions for a particular plant is also shown for each year. This sum, however, does not include values enclosed in parentheses or brackets, which are discussed next. Whenever production data were not reported in Brown's, the following information was reported instead (listed in order of decreasing reliability):

1. Annual sales - This is usually equivalent to the annual production unless the company consumes (within the plant) or purchases significant amounts of gas.
2. Half of the maximum yearly output - The annual production can be estimated as 180 days/year times the maximum daily sendout, or one-half of the maximum annual output. This is based on a rule of thumb reported in Brown's. This estimate is shown in square brackets and is not included in the totals or average productions.
3. Population served - The annual production can be roughly estimated as one million cubic feet/1,000 of population served based on a judgment of the correlation between population served and gas production. This estimate is shown in parentheses (in units of 1,000 of population or million cubic feet of gas) in Table B-1 and is not included in the total or average productions. This information is reported only when the above data were unavailable.

Where none of the above information was available, a "?" is shown under this column.

Occasionally, only one production was reported in Brown's although it was determined that more than one gas type was being produced (almost always coal and water gas), as indicated in the GAS TYPE column. In these cases, it was assumed that coal gas was produced and the production was entered in this column.

Gasifier/Process - The process of manufacture or gasifier type is shown in this column as reported in Brown's. Due to the variety in water gas processes (See Appendix A), the particular water gas process was usually specified whereas details regarding the manufacture of coal gas were reported infrequently. The indication of a particular process does not signify that only the associated gas type is produced; the gases that are produced are shown in the GAS TYPE column.

By-Product Production Rate - The amounts of coke, tar, ammonia, or other by-products of concern are reported separately under this column. The sum of these by-product productions for each year was not calculated because each type of by-product production is reported in different units (refer to legend for corresponding units). As can be seen from Table B-1, such data were not available in Brown's until 1920. For a significant portion of the plants, the amounts of by-product made and sold were reported (most frequently for coke). In these cases, the net amount (difference between by-product made and sold) is reported (in parentheses) because it is this unaccounted for amount that is important in this study. When the amount sold is greater than the amount made, a "(-)" is shown. Such negative values can be attributed to sale of by-products produced either in other years or from non-gas manufacturing operations. The net values are not included in the calculated average. Unsold by-products are the materials that may have become wastes and disposed of.

Miscellaneous Information - Information typically shown in this column includes details of "other" types of gases or by-products, consolidations of companies, multiple sites, and unconventional feedstocks.

Average Productions - The average production rates shown in the last line of data for each plant are the calculated average values of the plant data reported directly above. Estimated gas production (as indicated by parentheses or brackets) or net by-product productions were not included in these calculated average values.

It should be noted that these values are averaged for only the years in which production of each particular type of gas was produced. The calculations used to arrive at these values were discussed in the subsection explaining Table 2.

LEGEND FOR TABLE B-1

STATUS

* - Manufactured gas for that year
X - Discontinued/Out of business that year
O - Not found for that year
C - Consolidated with another company (see comments)
N - Natural gas supplier for that year
P - Gas purchased from another firm that year

COMPANY

" - "City name"
G - Gas
E - Electric
F - Fuel
L - Light
H - Heat
P - Power
Mfg - Manufacturing
Co - Company

GAS TYPE

C - Coal gas
W - Water gas
CW- Carburetted water gas
O - Oil gas
N - Natural

GAS PRODUCTION RATE

# - Production rate of gas in million standard cubic feet (MM scf)
(#) - Population served in 1,000 (reported when production unavailable)
[#] - Production rate estimated from 1/2 of maximum output (MM scf)

GASIFIER/PROCESS

F - Flannery
G - Granger
H-L - Hanlon
J - Jermanowski
J(B) - Jermanowski (baby)
J-L - Janeway-Logan (Oil)
K - Kendall (Oil)

LEGEND FOR TABLE B-1 (continued)

GASIFIER/PROCESS (Continued)

M-C - McKay-Critchelow
P - Patton (Oil)
S - Springer
S-G - Smith-Goldthorpe
V-Si - Van Sickel (Oil)
V-St - Van Steenburgh
W - Wilkinson

BY-PRODUCT PRODUCTION RATE

Coke - a x 10^3 tons of coke produced that year; (a)x 10^3 tons of coke unaccounted for that year (calculated as coke made minus coke sold).

Tar - b x 10^3 gallons of tar produced that year.

Ammonia - c x 10^3 lbs of ammonia produced that year.

Other - Amount of by-products, other than above, produced and reported that year (see MISCELLANEOUS INFORMATION for more details).

TABLE B-1. IDENTIFICATION OF TOWN GAS MANUFACTURING SITES - ALL PLANTS (1890-1950)

STATE: ALABAMA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*********BY-PRODUCTS*********				
						Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Birmingham	* GEL&P Co	1890	*	C	40				40						
			1900	*	C	54				54						
			1910	*	C	200				290						
			1920	*	C,W	200	550			750	Lowe					
			1930	P												
			1940	P												
			1950	P												
			AVERAGES:			124	550			271						
2	Decatur	* L&P Co	1890	*	C	7										
			1900	*	C	4				4						
			1910	*	C	5				5						
			1920	*	C	8				8		0	8			
			1930	*	C	30				30		2	25			
			1940	*	C	21				21		1	23			
			1950	*	C	24				24		1	25			
			AVERAGES:			15				15		1	20			
3	Eufaula	* GEL&P Co	1890	*	C	8				8						
			1900	*	C	5				5						
			1910	*	C	2				2						
			1920	*	C	2				2						
			1930	D												
			1940	D												
			1950	-												
			AVERAGES:			4				4						
4	Huntsville	* GL&Coke Co	1890	*	C	7										
			1900	*	C	10				10						
			1910	*	C	12				12						
			1920	*	C	12				12			1	15		
			1930	*	C,CW	26				26			1	33		
			1940	*	C	26				25			1			
			1950	N												
			AVERAGES:			17				17			1	24		

(continued)

TABLE B-1 (continued)

STATE: ALABAMA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Mobile	* GL&Coke Co	1890	*	C	14				14						
			1900	*	C	20				20						
			1910	*	C	130				130						
			1920	*	C	295				295						
			1930	*	C,W	300	90			295		17	318	30		
			1940	N	N					390	Lowe	15	325	34		
			1950	N	N											
			AVERAGES:			152	90			170		16	322	32		
6	Montgomery	* L Co	1890	*	C	32				32						
			1900	*	C	27				27						
			1910	*	C	68				68						
			1920	*	C	122				122						
			1930	*	C	7						4	164	11		
			1940	N												
			1950	N												
			AVERAGES:			62				62		4	164	11		
7	Selma	* G&EL Co	1890	*	C	7										
			1900	*	C	12				12						
			1910	*	C	18				18						
			1920	*	C	22				22						
			1930	*	C	40				40						
			1940	N	N											
			1950	N	N											
			AVERAGES:			25				25						
8	Talladega	* GL&W Co	1890	*	C	4				4						
			1900	*	C	3				3						
			1910	*	C	8				8						
			1920	*	C	16				16						
			1930	*	C	10				16		1	10			
			1940	0						10		1	16			
			1950	N												
			AVERAGES:			8				8		1	13			

(continued)

TABLE B-1 (continued)

STATE: ALABAMA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Anniston	* E&G Co	1890													
			1900	*	C	12				12						
			1910	*	C	15				15						
			1920	*	C	56				56		4	4			
			1930	*	C	7										
			1940	N												
			1950	N												
			AVERAGES:			20				20		4	4			
10	Florence	* GL&F Co	1890													
			1900	*	C	5				5						
			1910	*	C	12				12						
			1920	O												
			1930	*	C	13				13		1	17			
			1940	N												
			1950	N												
			AVERAGES:			10				10		1	17			
11	Bessemer	* Gas Co	1890													
			1900													
			1910	*	O			12		12						
			1920	?	C,O	22		7		29						
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:			22		10		21						
12	Gadsden	Tri City Gas Co	1890													
			1900													
			1910	*	C											Under construction (1910)
			1920	*	C	25				25						
			1930	*	C	40				40		1				
			1940	N												
			1950	N												
			AVERAGES:			33				33		1				

(continued)

TABLE B-1 (continued)

STATE: ALABAMA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13	Tuscaloosa	* Railway&Util Co	1890													
			1900													
			1910													
			1920	*	Coke				27	27						
			1930	O												
			1940	N												
			1950	N												
			AVERAGES:						27	27						
14	Birmingham	Industrial Gas Corp	1890													
			1900													
			1910													
			1920													
			1930	*	C	24				24						
			1940	P												
			1950	P												
			AVERAGES:			24				24						
15	Sheffield	The Twin Cities Gas Co	1890													
			1900													
			1910													
			1920													
			1930													
			1940	*	W		?									
			1950	N												
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: ARIZONA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Phoenix	* Illum G&EL Co	1890	*	O			4		4						
			1900	*	O			6		6			0			229 Barrels Lampblack
			1910	*	O			22		22						
			1920	*	O			163		163						
			1930	*	O			560		560						
			1940	N												
			1950	N												
			AVERAGES:					151		151			0			
2	Tombstone	* Gas Co	1890	*	O			2		2						
			1900	I												
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:					2		2						
3	Tucson	* Gas Co	1890	*	O			2		2						
			1900	*				0		0						
			1910	*				7								
			1920	*				25		25						
			1930	*				193		193						
			1940	N												
			1950	N												
			AVERAGES:					55		55						
4	Bisbee	*L&P Co	1890													
			1900													
			1910	*	O			17		17						
			1920	*	O			55		55						
			1930	*	O			74		74						
			1940	N												
			1950	N												
			AVERAGES:					49		49						

(continued)

TABLE B-1 (continued)

STATE: ARIZONA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Douglas	* G Corp	1890													
			1900													
			1910	*	O			14		14						
			1920	*	O			23		23						
			1930	*	O			52		52						
			1940	*	O			34		34						
			1950	N												
			AVERAGES:					31		31						
6	Globe	* EL&G Co	1890													
			1900													
			1910	*	O			?			Dual/Low					
			1920	*	O			15		15	*					
			1930	*	O			25		25	*					
			1940	*	O			10		10	*					
			1950	N												
			AVERAGES:					17		17						
7	Yuma	* G Co	1890													
			1900													
			1910	*	O			?			Dual					
			1920	*	O			?			*					
			1930	*	O			19		19	*					
			1940	*	O			10		10	*					
			1950	N												
			AVERAGES:					19		19						
8	Mesa	South Side Gas & E Co	1890													
			1900													
			1910													
			1920	*	O			10		10	Low					
			1930	*	O			21		21	Low					
			1940	N												
			1950	N												
			AVERAGES:					16		16						

(continued)

TABLE B-1 (continued)

STATE: ARIZONA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Nogales	Arizona G&E Co	1890													
			1900													
			1910													
			1920	*	O			?								
			1930	*	O			21		21	Lowe/U.G.					
			1940	N												
			1950	N												
			AVERAGES:					21		21						
10	Prescott	" G&E Co	1890													
			1900													
			1910													
			1920	*	O			30		30						
			1930	*	O			41		41	Lowe/U.G.					
			1940	D												
			1950	*												
			AVERAGES:					36		35						
11	Winslow	" GL&H Co	1890													
			1900													
			1910													
			1920	*	O			6		6	Doal					
			1930	D												
			1940	D												
			1950	-												
			AVERAGES:					6		6						
12	Miami	Arizona Edison Co	1890													
			1900													
			1910													
			1920													
			1930	*	O			21		21	Jones					
			1940	*	O			6		6						
			1950	N												
			AVERAGES:					14		14						

(continued)

TABLE B-1 (continued)

STATE: ARKANSAS

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	********BY-PRODUCTS********				
						Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Eureka Springs	* GL Co	1890	*	O			2		2						
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:					2		2						
2	Fort Smith	* GL Co	1890	*	C	12				12						
			1900	*	C	12				12						
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			12				12						
3	Helena	* GL Co	1890	*	C	7										
			1900	*	C	5				5						
			1910	*	C	12				12						
			1920	*	C	28				28		(2)	20			
			1930	*	W		39			39	Lowe					
			1940	*	W		23			23	*					
			1950	O												
			AVERAGES:			15	31			21			20			
4	Hot Springs	Garland GL Co	1890	*	C	7										
			1900	*	C	12				12	Lowe (8)					
			1910	*	W	22				22	*					
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:			17				17						

(continued)

TABLE B-1 (continued)

STATE: ARKANSAS

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	[illegible] Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Hot Springs	Hydrocarbon Fixed Gas Co	1890	*	C	?										
			1900	X												
			1910	O												
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:													
6	Little Rock	Pulaski GL Co	1890	*	C	?										
			1900	*	W	43				43						
			1910	*	W	110				110						
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:			77				77						
7	Pine Bluff	" GL Co	1890	*	?					?						
			1900	*						3						
			1910	*						10						
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:							7						
8	Texarkana	G&EL Co	1890	*	C	7				7						
			1900	*	C	10				10						
			1910	X												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			9				9						

(continued)

TABLE B-1 (continued)

STATE: ARKANSAS

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Newport	W,L&P Co	1890													
			1900													
			1910	*	?					(6)						
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: CALIFORNIA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	********BY-PRODUCTS********				
						Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Benicia	* G Co	1890	*	?					1						
			1900	*												
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:							1						
2	Chico	* G El Co	1890	*	C	4				4						
			1900	*	W		2			2	Lowe					
			1910	*	O			36		36	Jones					1910: Pacific G&E Co.
			1920	*	O			?								
			1930	X												
			1940	-												
			1950	-												
			AVERAGES:			4	2	36		14						
3	Colusa	* G Co	1890	*	C	(2)										
			1900	*	C	2				2						
			1910	*	W		14			14						
			1920	*	O		?									
			1930	*	O		31			31						
			1940	O												
			1950	O												
			AVERAGES:			2	23			16						
4	Eureka	* G Co	1890	*	C	5				5						
			1900	*	C	3				3						
			1910	O												
			1920	*	O			21		21						
			1930	*	O			55		55						
			1940	*	O			95		95						
			1950	O												
			AVERAGES:			4		57		36						

(continued)

TABLE B-1 (continued)

STATE: CALIFORNIA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	********BY-PRODUCTS********				
						Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Fresno	* G El Co	1890	*	C	(14)										
			1900	*	C	16				16						
			1910	*	C	103				103						
			1920	*	O			322		322						
			1930	*	O			751		751						
			1940	O												
			1950	O												
			AVERAGES:			60		537		298						
6	Gilroy	* G&W Co	1890	*	C	(2)										
			1900	*	O			1		1						
			1910	*	O			(3)								
			1920	*	O			9		9						
			1930	*	O			26		26						
			1940	O												
			1950	O												
			AVERAGES:					12		12						
7	Grass Valley	* G El Co	1890	*	?				1	1						Pitch & shale feedstock
			1900	*					1	1						" " "
			1910	*				6		6	Lowe					
			1920	O				465		465	Jones					
			1930	*												
			1940	O												
			1950	O												
			AVERAGES:					236	1	118						
8	Healdsburg	* GLCo	1890	*	?				(1)							Pitch pine feedstock
			1900	I												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: CALIFORNIA

NO. CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*********BY-PRODUCTS********* Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9 Hollister	* GCo	1890	*	C	(4)										
		1900	*	C	1				1						
		1910	*	O			5		5	Lowe					
		1920	*	O			9		9						
		1930	*	O			34		34						
		1940	O												
		1950	O												
		AVERAGES:			1		16		12						
10 Jackson	* GLCo	1890	*	?				(4)							Gasoline feedstock
		1900	*	C	2				2						
		1910	*	C	2				2						
		1920	*	C	2				2						
		1930	O												
		1940	O												
		1950	-												
		AVERAGES:			2				2						
11 Livermore	* GCo	1890	*	C	(3)										
		1900	*	C	1				1						
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			1				1						
12 Los Angeles	* Lighting Co	1890	*	C,O	?			?	(80)						
		1900	*	C,O	?			?							
		1910	*	C,O	280			2,520	2,800						
		1920	*	C,O	?			?	2,900						
		1930	N												Standby plant (2 oil gasifier
		1940	G												
		1950	O												
		AVERAGES:			280			2,520	2,850						

(continued)

TABLE B-1 (continued)

STATE: CALIFORNIA

NO. CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13 Marysville	* Coal G Co	1890	*	C	1				1						
		1900	*	W		20			20						
		1910	*	W		42			42						
		1920	*	W		?									
		1930	*	W		272			272						
		1940	O												
		1950	O												
		AVERAGES:			1	111			84						
14 Merced	* ELG Co	1890	*	C	1				1						
		1900	*	C	3				3						
		1910	*	O			6		6						
		1920	*	O			20		20						
		1930	*	O			93		93						
		1940	O												
		1950	O												
		AVERAGES:			2		40		25						
15 Modesto	* GL Coal & Coke Co	1890	*	C	2				2						
		1900	*	C	4				4						
		1910	*	O			12		12						
		1920	*	O			59		59						
		1930	*	O			145		145						
		1940	O												
		1950	O												
		AVERAGES:			3		72		44						
16 Napa City	* GL&H Co	1890	*	C	0				0						
		1900	*	C	4				4						
		1910	*	O			12		12	Lowe					Pacific G&E Co.
		1920	*	O			35		35						
		1930	O												
		1940	O												
		1950	-												
		AVERAGES:			2		24		13						

(continued)

TABLE B-1 (continued)

STATE: CALIFORNIA

NO. CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
17 Nevada City	Nevada GL Co	1890	*	C	?										Shale and pitch feedstock
		1900	*	C	1				1						Became part of Pacific G&E
		1910	X												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			1				1						
18 Oakland	* GL Co	1890	*	C	(60)										
		1900	*	C	150				150						
		1910	*	O			1,440		1,440	Lowe					
		1920	*	O			3,500		3,500						
		1930	*	O			5,066		5,066						
		1940	O												
		1950	O												
		AVERAGES:			150		3,335		2,539						
19 Oroville	* G Co	1890	*	C	3				3	Lowe					
		1900	*	C	2				2						
		1910	*	C	6				6						
		1920	*	C	23				23						
		1930	O												
		1940	O												
		1950	-												
		AVERAGES:			9				9						
20 Pasadena	* G&EL Co	1890	*	C	(10)										
		1900	*	C	5				5						
		1910	C												Consolidated with Los Angeles
		1920	O												
		1930	O												
		1940	-												
		1950	-												
		AVERAGES:			5				5						

(continued)

TABLE B-1 (continued)

STATE: CALIFORNIA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
21	Placerville	* GL Co	1890	*	?				(2)							
			1900	X												
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
22	Petaluma	* GL Co	1890	*	C	1				1						
			1900	*	C	3				3						
			1910	X												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			2				2						
23	Pomona	* GEL Co	1890	*	C	(5)										
			1900	*	C	4				4						
			1910	*	O	20				20	Lowe					
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:			16				16						
24	Red Bluff	* ELG Co	1890	*	C	2				2						
			1900	*	C	3				3						
			1910	*	C	(3)										
			1920	*	O			70		70	Lowe					
			1930	*	O			33		33	Lowe& Jones					
			1940	*	O			30		30						
			1950	O												
			AVERAGES:			3		44		20						

(continued)

TABLE B-1 (continued)

STATE: CALIFORNIA

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
25 Sacramento	Capitol Gas Co	1890	*	C	60				60						
		1900	*	C	40				40						
		1910	*	O			213		213	Lowe					
		1920	*	O			423		423						Pacific G&E Co.
		1930	*	O			1,624		1,624	Lowe & Jones					
		1940	0												
		1950	0												
		AVERAGES:			50		753		472						
26 St. Helena	" G Co	1890	*	C	?										
		1900	*	C	2				2						
		1910	*	O			1		1	Van Sickel					
		1920	*	O			1		1	" "					
		1930	0												
		1940	0												
		1950	-												
		AVERAGES:			2		1		1						
27 Salinas City	" GW Co	1890	*	C	?										
		1900	0												
		1910	0												
		1920	0												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:													
28 San Bernardino	" GL Co	1890	*	C	?										
		1900	*	C	5				5						
		1910	*	W		260			260	Lowe					
		1920	*	W		131			131	"					
		1930	0												
		1940	0												
		1950	-												
		AVERAGES:			5	196			132						

(continued)

TABLE B-1 (continued)

STATE: CALIFORNIA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
29	San Diego	* G&EL Co	1890	*	W		?				Springer					
			1900	*	W		25			25	*					
			1910	*	W		220			220	Lowe					
			1920	*	W		1,400			1,400	*					
			1930	*	W		2,696			2,696	*		637			
			1940	0												
			1950	0												
			AVERAGES:				1,085			1,085			637			
30	San Francisco	Pacific Gas Improve Co	1899	*	C	?										
			1900	*	C	300				300						
			1910	*	W		3,000			3,000						
			1920	*	W		6,100			6,100						
			1930	*	W		7,045			7,045						
			1940	0												
			1950	0												
			AVERAGES:			300	5,382			4,111						
31	San Francisco	* GL Co	1890	*	W		?				H-L					
			1900	*	W		800			800	Lowe					
			1910	C												Cons. w/Pacific (G.F)
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:				800			800						
32	San Jose	* LP Co	1890	*	C,W	(20)										
			1900	*	C,W	30				30						
			1910	*	W		167			167						
			1920	*	W		355			355						
			1930	*	W		879			879						
			1940	0												
			1950	0												
			AVERAGES:			30	467			350						

(continued)

TABLE B-1 (continued)

STATE: CALIFORNIA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
33	San Luis Obispo	* GL Co	1890	*	C	2				2						
			1900	*	C	1				1						
			1910	*	W		12			12						
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:			2	12			5						
34	San Leandro	* G&EL Co	1890	*	O			(3)								
			1900	*	O			1		1						
			1910	*	W		15			15	Lowe					
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:				15	1		8						
35	San Rafael	* G&EL Co	1890	*	C	7				7						
			1900	*	C	1				1						
			1910	*	W		28			28	Lowe					
			1920	*	W		93			93	"					
			1930	*	W		788			788						
			1940	O												
			1950	O												
			AVERAGES:			4	303			183						
36	Santa Barbara	* EL Co	1890	*	C	7										
			1900	*	C	6				6						
			1910	*	W		51			51	Lowe					
			1920	*	W		245			245	"					
			1930	N												
			1940	N												
			1950	N												
			AVERAGES:			6	148			101						

(continued)

TABLE B-1 (continued)

STATE: CALIFORNIA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
37	Santa Cruz	" GL Co	1890	*	C	(7)										
			1900	*	C	4				4						
			1910	*	W		[30]				Lowe					
			1920	*	W		52			52	*					
			1930	*	W		135			135	*					
			1940	0												
			1950	0												
			AVERAGES:			4	94			64						
38	Santa Rosa	" Lighting Co	1890	*	C	4				4						
			1900	*	C	5				5						
			1910	*	W		23			23	Lowe					
			1920	*	W		122			122	*					
			1930	0												
			1940	0												
			1950	-												
			AVERAGES:			5	73			39						
39	Stockton	" GL&H Co	1890	*	C	(15)										
			1900	*	C	36				36						
			1910	0												
			1920	*	W		239			239						
			1930	*	W		847			847						Became part of Pacific E&G
			1940	0												
			1950	0												
			AVERAGES:			36	543			374						
40	Tulare	" G Co	1890	*	C	(1)										
			1900	X												
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: CALIFORNIA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
41	Vallejo	* GL Co	1890	*	C	6				6						
			1900	*	C	7				7						
			1910	*	W		34			34	Lowe					Became part of Pacific E&G
			1920	*	W		124			124						
			1930	*	W		337			337						
			1940	O												
			1950	O												
			AVERAGES:			7	165			102						
42	Visalia	* GL Co	1890	*	?					(3)						
			1900	X												
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
43	Watsonville	* Maxim G Co	1890	*	C	(3)										
			1900	*	C	20				20						
			1910	*	W		14			14						
			1920	*	W		26			26						
			1930	*	W		97			97						
			1940	O												
			1950	-												
			AVERAGES:			20	46			39						
44	Woodland	Consolidated EL&P Co	1890	*	C	1				1						
			1900	*	C	3				3						
			1910	*	W		12			12						Became part of Pacific E&G
			1920	*	W		30			30						
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:			2	21			12						

(continued)

TABLE B-1 (continued)

STATE: CALIFORNIA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
45	Yreka	* GL Co	1890	*	?					(2)						Wood feedstock
			1900	X												
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
46	Bakersfield	* G&EL Co	1890													
			1900	*	C,W	5				5	Lowe					
			1910	*	W		(27)				*					
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:			5				5						
47	Los Gatos	* G Co	1890													
			1900	*	C	1				1						
			1910	*	W		5			5	W.G. Const.					
			1920	*	W		14			14						
			1930	0												
			1940	0												
			1950	-												
			AVERAGES:			1	10			7						
48	Riverside	* G&EL Co	1890													
			1900	*	C	6				6						
			1910	*	W		38			38	McCollum					
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:			6	38			22						

(continued)

TABLE B-1 (continued)

STATE: CALIFORNIA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
49	San Francisco	Equitable GL Co	1890													
			1900	*	C	365				365	Hall					Cons. w/Pacific Improve.Co
			1910	C												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			365				365						
50	Santa Ana	" U&E Co	1890													
			1900	*	C	7				7	Holmes					
			1910	*	O			29		29	Lowe					
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:			7		29		18						
51	Santa Monica	" EG&P Co	1890													
			1900	*	W		2			2	Lowe					
			1910	*	O			60		60	Lowe					
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:				2	60		35						
52	Selma	" G Co	1890													
			1900	*	W		25			25	Sp					
			1910	*												
			1920	*	W		12			12	Sp					
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:				19			19						

(continued)

TABLE B-1 (continued)

STATE: CALIFORNIA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
						Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
53	Anaheim	Orange County G Co	1890													
			1900													
			1910	*	O			(10)			Beal					
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:													
54	Banning	* GL Co	1890													
			1900													
			1910	*	?											
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:													
55	Hanford	* G&P Co	1890													
			1900													
			1910	*	O			16		16	W.G.Cons.					
			1920	*	O			22		22						
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:					19		19						
56	Huntingdon Park	* G&E Co	1890													
			1900													
			1910	*	?	?										
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: CALIFORNIA

NO. CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS********* Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
57 Inglewood	" G Co	1890													
		1900													
		1910	*	O			10		10						
		1920	O												
		1930	O												
		1940	-												
		1950	-												
		AVERAGES:					10		10						
58 Long Beach	" G Co	1890													
		1900													
		1910	*	O			25		25	New Lowe					
		1920	O												
		1930	O												
		1940	-												
		1950	-												
		AVERAGES:					25		25						
59 Long Beach	So.Cal.Edison Co.	1890													
		1900													
		1910	*	O			85		85	Lowe					
		1920	O												
		1930	O												
		1940	-												
		1950	-												
		AVERAGES:					85		85						

(continued)

TABLE B-1 (continued)

STATE: CALIFORNIA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
60	Los Angeles	Domestic Gas Co of LA	1890													
			1900													
			1910	*	O			(325)			Berkeley					
			1920	*	O			700		700	"					
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:					700		700						
61	Los Angeles	Economic Gas Co	1890													
			1900													
			1910	*	O			?			Lowe					
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:													
62	Monterey	* County G&E Co	1890													
			1900													
			1910	*	O			15		15	Lowe					
			1920	*	O			37		37	"					
			1930	*	O			147		147	"					
			1940	O												
			1950	O												
			AVERAGES:					66		66						
63	Oxnard	Ventura County P Co	1890													
			1900													
			1910	*	O			44		44	Lowe					
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:					44		44						

(continued)

TABLE B-1 (continued)

STATE: CALIFORNIA

					GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS*******				
NO. CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
64 Palo Alto	* G Co	1890													
		1900													
		1910	*	O			(6)								
		1920	P												Gas from Pacific
		1930	O												
		1940	O												
		1950	-												
		AVERAGES:													
65 Pasadena	Valley G&Fuel Co	1890													
		1900													
		1910	*	O			45		45	Lowe					
		1920	O												
		1930	O												
		1940	-												
		1950	-												
		AVERAGES:					45		45						
66 Redding	No Calif Power Co	1890													
		1900													
		1910	*	O			(4)			Lowe					
		1920	*	O			9		9	*					
		1930	*	O			44		44	*					
		1940	*	O			50		50	*					
		1950	O												
		AVERAGES:					34		34						
67 Redlands	Hemet-San Jacinto G Co	1890													
		1900													
		1910	*	O			7		7						
		1920	O												
		1930	O												
		1940	-												
		1950	-												
		AVERAGES:					7		7						

(continued)

TABLE B-1 (continued)

STATE: CALIFORNIA

					GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO. CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
68 Redwood	Pacific G&E Co, Redwood	1890													
		1900													
		1910	*	O			46		46	Low (J)					
		1920	*	O			462		462	"					
		1930	O												
		1940	O												
		1950	-												
		AVERAGES:					254		254						
69 Salinas	Monterey County G&E Co	1890													
		1900													
		1910	*	O			13		13	Low					
		1920	*	O			17		17	"					
		1930	N												
		1940	N												
		1950	N												
		AVERAGES:					15		15						
70 San Pedro	So Calif Edison Co	1890													
		1900													
		1910	*	O			8		8	Low					
		1920	O												
		1930	O												
		1940	-												
		1950	-												
		AVERAGES:					8		8						
71 Santa Clara	" Municipal Gas Works	1890													
		1900													
		1910	*	O			15		15	Low					
		1920	*	O			28		28	"					
		1930	O												
		1940	O												
		1950	-												
		AVERAGES:					22		22						

(continued)

TABLE B-1 (continued)

STATE: CALIFORNIA

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
72 Visalia	Consolidated HL&P Co	1890													
		1900													
		1910	*	O			10		10	W.G.Cons.					
		1920	*	O			110		110						
		1930	O												
		1940	O												
		1950	-												
		AVERAGES:					64		64						
73 Avalon (Santa Catalina Island)	City of Avalon	1890													
		1900													
		1910													
		1920	*	O			?								
		1930	*	O			?								
		1940	N												
		1950	N												
		AVERAGES:													
74 Beaumont	Twin Cities G Co	1890													
		1900													
		1910													
		1920	*	O			?								
		1930	O												
		1940	O												
		1950	-												
		AVERAGES:													
75 Dinuba	Alta District G Co	1890													
		1900													
		1910													
		1920	*	O			22		22						
		1930	O												
		1940	O												
		1950	-												
		AVERAGES:					22		22						

(continued)

TABLE B-1 (continued)

STATE: CALIFORNIA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
76	El Centro	Imperial Valley G Co	1890													
			1900													
			1910													
			1920	*	O			40		40						
			1930	*	O			(30)								
			1940	O												
			1950	O												
			AVERAGES:					40		40						
77	Fowler	" G Co	1890													
			1900													
			1910													
			1920	*	O			3		3	Lowe					
			1930	*	O			(2)			"					
			1940	O												
			1950	O												
			AVERAGES:					3		3						
78	Hemet	Southwestern G Co	1890													
			1900													
			1910													
			1920	*	O			8		8						
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:					8		8						
79	Madera	" G Co	1890													
			1900													
			1910													
			1920	*	O			12		12	Lowe					
			1930	*	O			25		25	"					
			1940	O												
			1950	O												
			AVERAGES:					19		19						

(continued)

TABLE B-1 (continued)

STATE: CALIFORNIA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
80	Needles	* G&E Co	1890													
			1900													
			1910													
			1920	*	O			9		9	Lowe					
			1930	*	O			2		2	"					
			1940	O												
			1950	O												
			AVERAGES:					6		6						
81	Nevada	Pacific G&E Co, Nevada	1890													
			1900													
			1910													
			1920	*	O			20		20	Jones					
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:					20		20						
82	Oakdale	* G Co	1890													
			1900													
			1910													
			1920	*	O			10		10						
			1930	*	O			14		14						
			1940	O												
			1950	O												
			AVERAGES:					12		12						
83	Parlier	River Bend G&W Co	1890													
			1900													
			1910													
			1920	*	O			12		12						
			1930	I												
			1940	-												
			1950	-												
			AVERAGES:					12		12						

(continued)

TABLE B-1 (continued)

STATE: CALIFORNIA

NO. CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
84 Pittsburg	Contra Costa G Co	1890													
		1900													
		1910													
		1920	*	O			58		58	Jones					
		1930	*	O			146		146						
		1940	O												
		1950	O												
		AVERAGES:					102		102						
85 Sacramento	" G Co	1890													
		1900													
		1910													
		1920	*	O			166		166	Lowe					
		1930	O												
		1940	O												
		1950	-												
		AVERAGES:					166		166						
86 Turlock	" G Co	1890													
		1900													
		1910													
		1920	*	O			20		20	Boal					
		1930	*	O			30		30	"					
		1940	O												
		1950	O												
		AVERAGES:					25		25						
87 Ukiah	" G Co	1890													
		1900													
		1910													
		1920	*	O			7		7	Boal					
		1930	*	O			(2)			"					
		1940	O												
		1950	O												
		AVERAGES:					7		7						

(continued)

TABLE B-1 (continued)

STATE: CALIFORNIA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
88	Ventura	So Calif Edison Co	1890													
			1900													
			1910													
			1920	*	0			50		50	Lowe					
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:					50		50						
89	Willows	No Calif P Co	1890													
			1900													
			1910													
			1920	*	0			13		13	Jones					
			1930	*	0			37		37	*					
			1940	0												
			1950	0												
			AVERAGES:					25		25						
90	Escondido	San Diego Cons G&E Co	1890													
			1900													
			1910													
			1920													
			1930	*	0			15		15	S.G.					
			1940	0												
			1950	0												
			AVERAGES:					15		15						
91	Oceanside	South Coast G Co	1890													
			1900													
			1910													
			1920													
			1930	*	0			25		25						
			1940	0												
			1950	0												
			AVERAGES:					25		25						

(continued)

TABLE B-1 (continued)

STATE: COLORADO

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Colorado Springs	Lowe G&E Co	1890	*	C	(12)										
			1900	*	C	36				36						
			1910	*	C	90				90						
			1920	*	C,W	122	13			135	Lowe	(7)	119	8		
			1930	*	C,W	135	0			135	"					
			1940	N												
			1950	N												
			AVERAGES:			96	7			99			119	8		
2	Denver	The Denver Gas Co	1890	*	C	210				210						
			1900	*	C	300				300						
			1910	*	C,W	735	245			980	Lowe					
			1920	*	C,W	1,330	540			1,870	"	(70)		331		
			1930	O												
			1940	N												
			1950	N												
			AVERAGES:			644	393			840				331		
3	Georgetown	" G Co	1890	*	O			2		2						
			1900	X												
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:					2		2						
4	Gunnison	" G&W Co	1890	*	C	4				4						
			1900	X												
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			4				4						

(continued)

TABLE B-1 (continued)

STATE: COLORADO

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Leadville	* Illum G Co	1890	*	C	20				20						
			1900	0												
			1910	*	C	8				8						
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:			14				14						
6	Monte Vista	* E&L Co	1890	*	?					(2)						
			1900	0												
			1910	0												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
7	Pueblo	* G&EL Co	1890	*	C	(36)										
			1900	*	C	30				30						
			1910	*	C,W	81	9			90	Lowe					
			1920	*	C,W	140	7			147	*	(7)		100	22	
			1930	0												
			1940	0												
			1950	-												
			AVERAGES:			84	8			89				100	22	
8	Trinidad	* G Co	1890	*	C	6				6						
			1900	*	C	7				7						
			1910	*	C	20				20						
			1920	*	C	17				17						
			1930	*	C	23				23			1	9		
			1940	*	C	22				22			1	8		
			1950	X												
			AVERAGES:			16				16			1	9		

(continued)

TABLE B-1 (continued)

STATE: COLORADO

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Canon City	* G Co	1890													
			1900													
			1910	*	W		8			8						
			1920	*	W		1			1						
			1930	*	W		7			7						
			1940	*	W		8			8						
			1950	N												
			AVERAGES:				6			6						
10	Fort Collins	Powdre Valley G Co	1890													
			1900													
			1910	*	O			17		17	P-E					
			1920	*	O			33		33						
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:					25		25						
11	Grand Junction	* EG&Mfg Co	1890													
			1900													
			1910	*	C	12				12						
			1920	*	C	23				23		(11)	22			
			1930	*	C	38				38		2	30			
			1940	*	C	24				24		1	17			
			1950	*	C	35				35		2	31			
			AVERAGES:			26				26		2				
12	Greely	* G&E Co	1890													
			1900													
			1910	*	C	12				12						
			1920	*	C	44				44		(2)	31			
			1930	*	C	69				69						
			1940	O												
			1950	O												
			AVERAGES:			42				42						

(continued)

TABLE B-1 (continued)

STATE: COLORADO

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13	Boulder	Federal Gas Co	1890													
			1900													
			1910													
			1920	*	O			60		60	Jones					
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:					60		60						
14	La Junta	Otero Gas Co	1890													
			1900													
			1910													
			1920	*	O			10		10	Dual					
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:					10		10						
15	Sterling	Central States E Co	1890													
			1900													
			1910													
			1920													
			1930													
			1940	*	CW			7		7						
			1950	O												
			AVERAGES:					7		7						

(continued)

TABLE B-1 (continued)

STATE: CONNECTICUT

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Birmingham	Derby G Co	1890	*	C	36				36						
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			36				36						
2	Bridgeport	The " GL Co	1890	*	W		(50)				Lowe					
			1900	4	W		7				"					
			1910	*	W		350			350	"					
			1920	*	W		1,210			1,210	"		330			
			1930	*	W		1,410			1,410	"		963			
			1940	*	W		1,523			1,523	"		1,350			
			1950	*	W		2,800			2,830	"		2,620			
			AVERAGES:				1,460			1,460			1,320			
3	Danbury	" &Bethel G&EL Co	1890	*	W		(10)									
			1900	*	W		40			40						
			1910	*	W		(25)									
			1920	*	W		114			114						
			1930	*	C,W		221	880		1,101		(6)	173			
			1940	*	C,W		190	34		224		11	62			
			1950	P												
			AVERAGES:				141	457		370		11	118			
4	Danielsonville	Killingly EL Co	1890	*	W		(4)				Edg					
			1900	*	W		2			2	"					
			1910	*	W		4			4	Lowe					
			1920	*	W		5			5	"					Cons. w/ Hartford
			1930	C												
			1940	-												
			1950	-												
			AVERAGES:				4			4						

(continued)

TABLE B-1 (continued)

STATE: CONNECTICUT

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Hartford	* City GL Co	1890	•	C	(50)										
			1900	•	C	225				225						
			1910	•	C	520				520						
			1920	•	C,W	404	682			1,086	Lowe	(22)	690	143		
			1930	•	W		589			589	"		538			
			1940	•	P											
			1950	•	W		959			959	Lowe					
			AVERAGES:			383	743			676			614	143		
6	Meridan	* GL Co	1890	•	C	1				1						
			1900	•	C	40				40						
			1910	•	C,W	62	62			124						
			1920	•	C,W	238	40			278		(16)	238	40		
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:			85	51			111			238	40		
7	Middletown	* GL Co	1890	•	W		10			10	Lowe					
			1900	•	W		20			20	"					
			1910	•	W		36			36	"					
			1920	•	W		94			94	"					
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:				40			40						
8	New Britain	* GL Co	1890	•	C	20				20						
			1900	•	C	33				33						
			1910	•	C,W	70	70			140						
			1920	•	W	317				317						
			1930	•	W	456				456						
			1940	•	W	352				352						
			1950	•	W	638				638						
			AVERAGES:			269	70			279						

(continued)

TABLE B-1 (continued)

STATE: CONNECTICUT

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	********BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	New Hartford	* GL Co	1890	*	W		?				Lowe					
			1900	*	W		2			2	"					
			1910	*	W		2			2	"					
			1920	*	W		1			1	"					
			1930	D												
			1940	D												
			1950	-												
			AVERAGES:				2			2						
10	New London	* GL Co	1890	*	W		(12)									
			1900	*	W		(18)									
			1910	*	W		52			52						
			1920	*	W		153			153			38			
			1930	*	W		356			356			137			
			1940	*	W		327			327			178			
			1950	*	CW		397			397						
			AVERAGES:				257			257			118			
11	Norwalk	* GL Co	1890	*	C	12				12						
			1900	*	C	21				21						
			1910	*	C	52				52						
			1920	*	W		83			83						
			1930	C												Cons. w/Hartford(CT P&L Co)
			1940	-												
			1950	-												
			AVERAGES:			28	83			42						
12	Norwich	* City G Co	1890	*	W		(20)				Lowe					
			1900	*	W		21			21	"					
			1910	*	C,W	33	7			40	"					
			1920	*	C,W	0	84			84	"		(50)			
			1930	*	CW		182			182	"					
			1940	*	CW		181			181	"		100			
			1950	*	CW		374			374	"		253			Semet-Solvay Reverse Flow
			AVERAGES:			16	142			147						

(continued)

TABLE B-1 (continued)

STATE: CONNECTICUT

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	********BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13	Putnam	L&P Co	1890	*	W		3			3	H-C					
			1900	*	W		4			4	Lowe					
			1910	*	W		9			9	*					
			1920	*	W		21			21	*					
			1930	C												Cons. w/Hartford
			1940													
			1950													
			AVERAGES:				9			9						
14	Rockville	* GL Co	1890	*	W		(7)				Lowe					
			1900	*	W		12			12	*					
			1910	*	W		18			18	*					
			1920	*	W		20			20	*					
			1930	D												
			1940	D												
			1950	-												
			AVERAGES:				17			17						
15	Stamford	* GL Co	1890	*	W		20			20	J					
			1900	*	W		22			22	J					
			1910	*	W		75			75	Lowe					
			1920	*	W		250			250	*	(15)	790			
			1930	*	W		(44)				*	(13)	834			
			1940	*	C,W	432	425			857	*					Coal:Glover West Vertical Pro
			1950	*	C,W	300	704			1,004	*					
			AVERAGES:			366	263			385			812			
16	Wallingford	* GL Co	1890	*	W		2			2	Edg					
			1900	*	W		7			7	*					
			1910	*	W		15			15	Lowe					
			1920	*	W		40			40	*					
			1930	*	W		64			64	*					
			1940	*	CW		75			75	*					
			1950	*	CW		170			170	*		59			
			AVERAGES:				53			53			59			

(continued)

TABLE B-1 (continued)

STATE: CONNECTICUT

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
17 Waterbury	* GL Co	1890	*	W		(28)				Lowe					
		1900	*	W		186			186	*					
		1910	0												
		1920	*	W		683			683	*					
		1930	*	C,W	396	510			906	*	(21)	341	145		
		1940	0												
		1950	0												
		AVERAGES:			396	406			530			341	145		
18 Willimantic	* G Co	1890	*	W		5			5	H-L					
		1900	*	W		6			6	Evans					
		1910	*	C	17				17						
		1920	*	C	22				22						
		1930	*	C	(8)										
		1940	0												
		1950	0												
		AVERAGES:			20	6			13						
19 Winsted	* G Co	1890	*	W		2			2	Gr					
		1900	*	W		6			6						
		1910	*	W		23			23						
		1920	*	W		34			34						
		1930	*	W		55			55						
		1940	0												
		1950	0												
		AVERAGES:				24			24						
20 Bridgeport	Citizen's G Co	1890													
		1900	*	O			200		200	Loomis					
		1910	0												
		1920	0												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:					200		200						

(continued)

TABLE B-1 (continued)

STATE: CONNECTICUT

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	********BY-PRODUCTS********				
					Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
21 Derby	* G Co	1890													
		1900	*	W		70			70	Lowe					
		1910	*	W		140			140	*					
		1920	*	W		?				*					
		1930	*	C,W	157	142			299	*					
		1940	*	CW		254			254	*		255			
		1950	*	CW		807			807	*		853			
		AVERAGES:			157	283			314			554			
22 New Haven	* GL Co	1890													
		1900	*	C	345				345						
		1910	*	C	977				977						
		1920	*	W	866	958			1,824						
		1930	*	W		164			164			67			
		1940	*	C,W		47			47						
		1950	*	C,W		822			822						
		AVERAGES:			729	498			697			67			
23 New Milford	* GL Co	1890													
		1900	*	Acetylene											
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:													
24 Norwich	Merchant's G Co	1890													
		1900	*	?					1						
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:							1						

(continued)

TABLE B-1 (continued)

STATE: CONNECTICUT

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	********BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
25	Torrington	* SL Co	1890													
			1900	*	W		75			75	Lowe					
			1910	*	W		43			43	*					
			1920	*	W		65			65	*					
			1930	*	W		(22)				*					
			1940	*	W		143			143	*					
			1950	*	CW		176			176	*					
			AVERAGES:				100			100						
26	Bristol	* &Plainville Tramway Co	1890													
			1900	*	W		17			17						
			1910	*	W		102			102						
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:				60			60						
27	Hartford	CT L&P Co	1890													
			1900													
			1910													
			1920													
			1930	*	CW		311			311		106				
			1940	*	CW		1,580			1,580						
			1950	*	CW		2,997			2,997						
			AVERAGES:				1,629			1,629		106				

(continued)

TABLE B-1 (continued)

STATE: DELAWARE

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Dover	* GL Co	1890	*	C	5				5						
			1900	*	C	5				5						
			1910	*	W		14			14	Lowe					
			1920	*	W		21			21	*					
			1930	*	W		36			36	*					
			1940	*	W		49			49	*					
			1950	N												
			AVERAGES:			5	30			22						
2	New Castle	* G Co	1890	*	C	3				3						
			1900	*	C	4				4						
			1910	*	C	4				4						
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:			4				4						
3	Smyrna	* Coal,G&Coke Co	1890	*	C	3				3						
			1900	*	C	3				3						
			1910	*	C	4				4						
			1920	*	C	4				4		0	5	0		
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:			4				4		0	5	0		
4	Wilmington	* Coal G Co	1890	*	C	120				120						
			1900	*	C,O	153	51			204						
			1910	*	W		300			300	Lowe					
			1920	*	W		840			840	*		(640)			
			1930	*	W		1,200			1,200	*		874			
			1940	P												
			1950	P												
			AVERAGES:			137	600			534			874			

(continued)

TABLE B-1 (continued)

STATE: DELAWARE

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Georgetown	* G Co	1890													
			1900													
			1910	*	C	5				5						
			1920	*	W		4			4						
			1930	*	W		?									
			1940	*	W		5			5						
			1950	N												
			AVERAGES:			5	5			5						
6	Lewes	* G Co	1890													
			1900													
			1910													
			1920	*	W		2			2						
			1930	O												
			1940	O												
			1950	O												
			AVERAGES:				2			2						
7	Seaford	Sussex G Co	1890													
			1900													
			1910													
			1920	*	O			13		13	Lowe					
			1930	P												
			1940	O												
			1950	O												
			AVERAGES:					13		13						

(continued)

TABLE B-1 (continued)

STATE: DISTRICT OF COLUMBIA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Georgetown	* GL Co	1890	*	C	30				30						
			1900	*	C	46				46						
			1910	*	C	93				93						
			1920	*	W		36			36	Lowe					
			1930	P												
			1940	O												
			1950	O												
			AVERAGES:			56	36			51						
2	Washington, D.C.	* GL Co	1890	*	W		700			700	Lowe (F)					
			1900	*	W		1,135			1,135	W					
			1910	*	W		2,300			2,300	Lowe					
			1920	*	W		4,600			4,600	*					
			1930	*	CW		6,390			6,390	*					
			1940	*	CW		12,406			12,406	*		3,010			
			1950	N									2,330			
			AVERAGES:				4,503			4,509			3,074			

(continued)

TABLE B-1 (continued)

STATE: FLORIDA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Gainesville	* GEL Co	1890	*	C	5				5						
			1900	*	C	3				3						
			1910	*	W		4			4	Ga					
			1920	*	W		10			10						
			1930	*	W		20			20						
			1940	*	CW		30			30						
			1950	*	CW		136			136						
			AVERAGES:			4	42			31						
2	Jacksonville	* G&E Co	1890	*	W		20			20						
			1900	*	W		22			22						
			1910	*	W		130			130						
			1920	*	C,W	352	97			449		(23)	350	295		
			1930	*	C,W	236	367			603		12	210			
			1940	*	CW		476			476			904			
			1950	*	CW		925			925		1,076				
			AVERAGES:			294	291			375		544	491	295		
3	Key West	* GEL Co	1890	*	O			(10)								
			1900	D												
			1910	D												
			1920	*	W		71			71			(17)			
			1930	*	W		56			56						
			1940	*	CW		46			46						
			1950	N												
			AVERAGES:				58			58						
4	Orlando	So Florida G Co	1890	*	W		(6)									
			1900	*	W		4			4						
			1910	*	C,W	3	3			6						
			1920	*	W		17			17						
			1930	*	W		169			169						
			1940	*	CW		230			230						
			1950	*	CW		492			492			500			
			AVERAGES:			3	153			153			500			

(continued)

TABLE B-1 (continued)

STATE: FLORIDA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Palatka	* GL&Fuel Co	1890	*	C	4				4						
			1900	*	C	3				3						
			1910	*	W		3			3	Lowe					
			1920	*	W		7			7	*					
			1930	*	W		11			11	*					
			1940	O												
			1950	O												
			AVERAGES:			4	7			6						
6	Pensacola	* G Co	1890	*	W		(15)									
			1900	*	W		17			17						
			1910	*	W		45			45						
			1920	*	W		86			86			19			
			1930	*	W		100			100			86			
			1940	N												
			1950	N												
			AVERAGES:				62			62			53			
7	Sanford	* L&Fuel Co	1890	*	W		3			3						
			1900	*	W		3			3						
			1910	*	W		9			9						
			1920	*	W		7			7						
			1930	*	W		(10)									
			1940	*	CW		58			58						
			1950	*	CW		93			93						
			AVERAGES:				29			29						
8	St Augustine	* G&EL Co	1890	*	W		12			12						
			1900	*	W		17			17						
			1910	*	W		30			30						
			1920	*	W		45			45			13			
			1930	*	W		77			77						
			1940	*	CW		58			58						
			1950	*	CW		93			93						
			AVERAGES:				47			47			13			

(continued)

TABLE B-1 (continued)

STATE: FLORIDA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Tallahasee	" G&EL Co	1890	*	C	(5)										
			1900	*	C	6				6						
			1910	N												
			1920	*	W		6			6						
			1930	*	W		240			240						
			1940	*	W		52			52						
			1950	*	W		104			104						
			AVERAGES:			6	101			82						
10	Ocala	Citizen's G&L Co	1890													
			1900	*	W		2			2						
			1910	*	W		8			8						
			1920	*	W		7			7						
			1930	*	W		15			15						
			1940	*	CW		(7)									
			1950	*	W		31			31	Semet Solvay					
			AVERAGES:				13			13						
11	Tampa	" G Co	1890													
			1900	*	W		11			11	Lowe					
			1910	*	W		49			49	"					
			1920	*	W		246			246	"					
			1930	*	W		625			625	"		263			
			1940	*	CW		539			539	"		433			
			1950	*	CW		1,098			1,098	"		932			
			AVERAGES:				428			428						
12	De Land	Citizen's Mfg Co	1890													
			1900													
			1910	*	CW		(3)				Lowe					
			1920	*	CW		(3)				"					
			1930	D												
			1940	D												
			1950	N	Propane											
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: FLORIDA

NO. CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13 Miami	* G Co	1890													
		1900													
		1910	*	O			15		15	J-L					
		1920	*	O			80		80	"					
		1930	*	W		386			386						
		1940	*	W		540			540						
		1950	*	W		1,162			1,162						
		AVERAGES:				696	48		437						
14 Daytona	* Public Serv Co	1890													
		1900													
		1910													
		1920	*	W		26			26	Lowe					
		1930	G												
		1940	O												
		1950	-												
		AVERAGES:				26			26						
15 Lakeland	* G Co	1890													
		1900													
		1910													
		1920	*	W		13			13	Lowe					
		1930	*	W		64			64	"					
		1940	O												
		1950	O												
		AVERAGES:				39			39						
16 St Petersburg	* Municipal G Plant	1890													
		1900													
		1910													
		1920	*	W		55			55	Lowe		30			
		1930	*	W		277			277	"		150			
		1940	*	CW		376			376	"					
		1950	*	CW		706			706	"					
		AVERAGES:				374			374			90			

(continued)

TABLE B-1 (continued)

STATE: FLORIDA

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
17 Bradenton	Southern G&E Corp	1890													
		1900													
		1910													
		1920													
		1930	*	W		42			42						
		1940	*	CW		65			65						
		1950	*	W		77			77						
		AVERAGES:				61			61						
18 Clearwater	* Municipal G Dept	1890													
		1900													
		1910													
		1920													
		1930	*	W		(11)				Tenney					
		1940	*	CW		90			90	*					
		1950	*	W		100			100	*					
		AVERAGES:				135			135						
19 Fort Lauderdale	* G Co	1890													
		1900													
		1910													
		1920													
		1930	*	W		8			8						
		1940	O												
		1950	O												
		AVERAGES:				8			8						
20 Fort Myers	Commission of City of *	1890													
		1900													
		1910													
		1920													
		1930	*	W		(10)									
		1940	*	W		40			40						
		1950	*	W		90			90						
		AVERAGES:				65			65						

(continued)

TABLE B-1 (continued)

STATE: FLORIDA

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
					Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
21 Miami Beach	G Co of "	1890													
		1900													
		1910													
		1920													
		1930	*	W		(15)									
		1940	*	CW		389			389						
		1950	*	CW		1,372			1,372						
		AVERAGES:				881			881						
22 West Palm Beach	Florida Public Util Co	1890													
		1900													
		1910													
		1920													
		1930	*	W		177			177			50			
		1940	*	W		264			264						
		1950	*	W		535			535						
		AVERAGES:				325			325			50			
23 Winter Haven	" GL Co	1890													
		1900													
		1910													
		1920													
		1930	P												
		1940	*	CW		49			49						
		1950	*	CW		120			120						
		AVERAGES:				85			85						

(continued)

TABLE B-1 (continued)

STATE: GEORGIA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS********* Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Americus	* L&P Co	1890	*	W		(10)				Gw					
			1900	*	W		7			7	*					
			1910	*	W		18			18						
			1920	*	W		20			20			2	23		
			1930	*	W		22			22			(1)	21		
			1940	*	CW		8			8						
			1950	O	W		4			4						
			AVERAGES:				13			13			2	22		
2	Athens	* GL Co & E Co	1890	*	C	(10)										
			1900	*	C	6				6						
			1910	*	C	18				18						
			1920	*	C	38				38		2	36			
			1930	*	C	50				50		2	53			
			1940	*	C	71				71						
			1950	N												
			AVERAGES:			37				37		2	45			
3	Atlanta	* GL Co	1890	*	C	105				105						
			1900	*	C	303				303						
			1910	*	W		678			678						
			1920	*	W		1,400			1,400			566	125		
			1930	*	C,W	547	1,388			1,935		(25)	1,700	140		
			1940	N												
			1950	N												
			AVERAGES:			318	1,155			884			1,133	133		
4	Atlanta	Gate City GL Co	1890	*	W		37			37						
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				37			37						

(continued)

TABLE B-1 (continued)

STATE: GEORGIA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	BY-PRODUCTS Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Augusta	* GL Co	1890	*	C	(50)										
			1900	*	C	25				25						
			1910	*	W		98			98	Lowe					
			1920	*	W		180			180						
			1930	*	W		229			229			62			
			1940	*	W		250			250						
			1950	*	W		759			759						
			AVERAGES:			25	303			257			62			
6	Brunswick	* L&Water Co	1890	*	C	8				8						
			1900	*	C	5				5						
			1910	*	C	8				8						
			1920	*	C	8				8						
			1930	*	C	3				3		2	12			Most gas purchased
			1940	N												
			1950	N												
			AVERAGES:			6				6		2	12			
7	Cedartown	Empire W.L.&Mfg Co	1890	*	?					?						
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
8	Cartersville	* Improvement LW Co	1890	*	O			(4)								
			1900	*	O			2		2						
			1910	*	C	6				6						
			1920	*	C	5				5		(0)	3	9		
			1930	*	C	5				5						
			1940	*	C	2				2						
			1950	O												
			AVERAGES:			5		2		4			3	9		

(continued)

TABLE B-1 (continued)

STATE: GEORGIA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Columbus	The GL Co of "	1890	*	W		13			13						
			1900	*	W		15			15						
			1910	*	W		25			25						
			1920	*	W		70			70						
			1930	*	W		193			193						
			1940	N												
			1950	N												
			AVERAGES:				63			63						
10	Dalton	" EGL Co	1890	*	?					(4)						
			1900	*	C	4				4						
			1910	*	C	10				10						
			1920	*	C	10				10		(1)	7			
			1930	*	C	(3)										
			1940	*	C	23				23						
			1950	N												
			AVERAGES:			12				12			7			
11	Macon	" GL&Water Co	1890	*	C	37				37	Martin					
			1900	*	C	40				40	"					
			1910	*	C	60				60	Lowe					
			1920	*	C,W	180	10			190	"	(12)	215	47		
			1930	*	W	6				6	"	(10)	22	8		192,000 lbs of sulfate
			1940	N												
			1950	N												
			AVERAGES:			65	10			67				28		
12	Rome	" GL Co	1890	*	C	5				5						
			1900	*	C	7				7						
			1910	*	C	17				17						
			1920	*	C	20				20						
			1930	*	C,W	28	7			35		14	22			
			1940	N												
			1950	N												
			AVERAGES:			15	7			17		14				

(continued)

TABLE B-1 (continued)

STATE: GEORGIA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13	Savannah	Mutual GL Co	1890	*	W		50			50						
			1900	*	W		90			90						
			1910	*	W		140			140						
			1920	*	W		363			363			180			
			1930	*	W		400			400			286			
			1940	*	CW		450			450			790			
			1950	*	CW		789			789			1,463			
			AVERAGES:				340			340			665			
14	Thomasville	* G Co	1890	*	O			(7)								
			1900	*	O			4		4						
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:					4		4						
15	Valdosta	* G Co	1890													
			1900													
			1910	*	C	(10)										
			1920	*	C	20				20		(0.6)	80			
			1930	*	C,W	48	7			55		1	552			
			1940	*	C	44				44		(0.4)	48			
			1950	N												
			AVERAGES:			37	7			40		1	287			
16	Albany	* Gas Works	1890													
			1900													
			1910													
			1920	*	W		22			22			5			
			1930	*	W		50			50			15			
			1940	*	CW		79			79						
			1950	N												
			AVERAGES:				50			50			10			

(continued)

TABLE B-1 (continued)

STATE: GEORGIA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
17	Griffin	* G,Ice&Cold Storage	1890													
			1900													
			1910													
			1920	*	W		10			10						
			1930	*	C,W		20	4		24		1	19			
			1940	N												
			1950	N												
			AVERAGES:				15	4		17		1	19			
18	La Grange	* Municipal G Plant	1890													
			1900													
			1910													
			1920	*	W		18			18						
			1930	*	W		24			24						
			1940	*	CW		19			19						
			1950	N												
			AVERAGES:				20			20						
19	Way Cross	Consumer's G&Coke Co	1890													
			1900													
			1910													
			1920	*	C	16				16		(1)	13			
			1930	*	C,W	18	14			32		1	21			
			1940	*	W		46			46						
			1950	*	W		133			133						
			AVERAGES:			17	64			57		1	17			

(continued)

TABLE B-1 (continued)

STATE: HAWAII

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Hilo	* G Co	1890													
			1900													
			1910													
			1920	*	O			16		16	Berkeley					
			1930	*	O			28		28						
			1940	O												
			1950	*	O			104		104	Jones					
			AVERAGES:					49		49						
2	Honolulu	* LG Co	1890													
			1900													
			1910													
			1920	*	O			175		175	Lowe					
			1930	*	O			510		510	Jones					
			1940	O												
			1950	*				2,324		2,324	Jones					
			AVERAGES:					1,003		1,003						

(continued)

TABLE B-1 (continued)

STATE: IDAHO

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Boise	* GL Co	1890													
			1900													
			1910	*	C	30				30						
			1920	*	C	45				45		(2)	40			
			1930	*	C	(21)										
			1940	*	C	64				64						
			1950	0												
			AVERAGES:			46				45			40			
2	Lewiston	Northwestern Corp	1890													
			1900													
			1910	*	C	11				11						
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:			11				11						
3	Pocatello	* G&P Co	1890													
			1900													
			1910													
			1920	*	C	37				37		(2)	36			
			1930	*	C	(20)										
			1940	0												
			1950	0												
			AVERAGES:			37				37			36			

(continued)

TABLE B-1 (continued)

STATE: ILLINOIS

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Alton	* G&EL Co	1890	*	C	7				7						
			1900	*	C	7				7						
			1910	*	C	35				35						
			1920	*	C,W	31	8			39						
			1930	P												
			1940	P												
			1950	N												
			AVERAGES:			20	8			22						
2	Aurora	* GL Co	1890	*	W		10			10	Pratt-Ryan					
			1900	*	W		75			75	Lowe					
			1910	*	C,W		570	190		760	"					
			1920	P												
			1930	C												
			1940													
			1950													
			AVERAGES:				221	190		284						
3	Aurora	Excelsior G Co	1890	*	W		10	P-E		10						
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				10			10						
4	Belleville	* GL&Coke Co	1890	*	C	15				15						
			1900	*	C	23				23						
			1910	P												
			1920	P												
			1930	P												
			1940	O												
			1950	O												
			AVERAGES:			19				19						

(continued)

TABLE B-1 (continued)

STATE: ILLINOIS

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Bloomington	Citizen's GL&H Co	1890	*	C	(25)										
			1900	*	C	50				50						
			1910	*	C,W	60	60			120	Granger					
			1920	*	W		220			220	*		120			
			1930	*	W		323			323	*		211			
			1940	*	CW		381			381	*					
			1950	*	CW		473			473	*					
			AVERAGES:			55	277			249			166			
6	Cairo	" City G Co	1890	*	C	(15)										
			1900	*	C	11				11						
			1910	*	C	33				33						
			1920	*	C,W	23	11			34		2	31			
			1930	*	C,W	16	23			39		1	24			
			1940	*	CW		31			31						
			1950	N												
			AVERAGES:			21	22			30		2	28			
7	Canton	People's G&EL Co	1890	*	C	4				4						
			1900	0												
			1910	*	C	23				23						
			1920	*	C	42				42		2	50	8		
			1930	*	C	118				118			27			
			1940	0												
			1950	0												
			AVERAGES:			47				47		2	39	8		
8	Carlinville	" Gas Works	1890	*	W		2			2	Springer					
			1900	*	W		6			6	*					
			1910	*	W		7									
			1920	0												
			1930	X												
			1940	-												
			1950	-												
			AVERAGES:				4			4						

(continued)

TABLE B-1 (continued)

STATE: ILLINOIS

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Centralia	* GL&Coke Co	1890	*	C	4				4						
			1900	*	C	10				10						
			1910	*	C	30				30						
			1920	*	C	25				25						
			1930	*	W	103				103						
			1940	O												
			1950	O												
			AVERAGES:			34				34						
10	Champaign	* &Urbana GL&Coke Co	1890	*	C	6				6						
			1900	*	C	22				22						
			1910	*	W		63			63						
			1920	*	C,W	15	152			167		(1)	110			
			1930	*	CW		339			339						
			1940	N												
			1950	N												
			AVERAGES:			14	185			119			110			
11	Chicago	* GL&Coke Co	1890	*	W		1,500			1,500	Springer					
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				1,500			1,500						
12	Chicago	Consumer's G Co	1890	*	W		750			750	S,J,F					
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				750			750						

(continued)

TABLE B-1 (continued)

STATE: ILLINOIS

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13	Chicago	Economic L&Heating G Co	1890	*	O			(65)								
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
14	Chicago	Equitable GL&Fuel Co	1890	*	W		100			100	Jerman.					
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				100			100						
15	Chicago	Hyde Park GL&Fuel Co	1890	*	C	72				72						
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			72				72						
16	Chicago	Lake Gas GL&Fuel Co	1890	*	C	76				76						
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			76				76						

(continued)

TABLE B-1 (continued)

STATE: ILLINOIS

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
17 Chicago	People's GL&Coke Co	1890	*	W		900			900	G,H-L					
		1900	*	W		6,900			6,900	"					
		1910	*	W		?				"					
		1920	*	W		24,300			24,300	"					
		1930	*	Coke,W		13,005		8,707	21,712	"					
		1940	P												
		1950	P												
		AVERAGES:				11,276		8,707	13,453						
18 Chicago	Mutual Fuel G Co	1890	*	?						Evans & Fahn.					
		1900	D												
		1910	D												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:													
19 Danville	" GL Co	1890	*	C	10				10						
		1900	*	C	2				2						
		1910	*	C,W	45	5			50		(1)	0	1		
		1920	*	C,W	71	68			139		4	207			
		1930	*	C,W	55	183			238						
		1940	N												
		1950	N												
		AVERAGES:			37	85			88		4	104	1		
20 Decatur	" GL&Coke Co	1890	*	C	12				12						
		1900	*	C	32				32						
		1910	*	C	77				77						
		1920	*	C,W	167	62			229	Lowe	(1)	(0)	(0)		
		1930	*	C,W	55	407			462	"	1	259			
		1940	N												
		1950	N												
		AVERAGES:			69	235			162		1	259			

(continued)

TABLE B-1 (continued)

STATE: ILLINOIS

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	=======BY-PRODUCTS========				
					Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
21 Dixon	* G&EL Co	1890	*	O			(5)			Patton					
		1900	*	O			(10)			*					
		1910	*	O			30		30	*					
		1920	*	O			37		37	*	(1)	15			
		1930	P												
		1940	X												
		1950	-												
		AVERAGES:					34		34			15			
22 DuQuion	* LH&P Co	1890	*	C	7				7						
		1900	*	C	8				8						
		1910	*	C	10				10						
		1920	*	C	7				7						
		1930	O												
		1940	O												
		1950	-												
		AVERAGES:			8				8						
23 E ST Louis	* G Works	1890	*	C	16				16						
		1900	*	C	21				21						
		1910	*	W		144			144	Lowe					
		1920	*	W		465			465	*					
		1930	P												
		1940	O												
		1950	O												
		AVERAGES:			19	305			162						
24 Elgin	* American G Co	1890	?	C	12				12						
		1900	*	C	45				45						
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			29				29						

(continued)

TABLE B-1 (continued)

STATE: ILLINOIS

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
					Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
25 Evanston	Northwestern GL&Coke Co	1890	*	W	7	(8)				P-R					
		1900	*	W	7	?				*					
		1910	*	W	35	(200)				Lowe		(100)			
		1920	*	W	31	1,400			1,400			(730)			
		1930	*	W		2,100			2,100						
		1940	O												
		1950	O												
		AVERAGES:				1,754			1,754						
26 Freeport	" GL&Coke Co	1890	*	C	10	10			10	Pratt-Ryan					
		1900	*	C	30	75			30	Lowe					
		1910	*	C	69	570	190		69	*					
		1920	*	C,W	32	105			137	Lowe					
		1930	*	W		175			175						
		1940	P												
		1950	P												
		AVERAGES:			35	140			84						
27 Galena	GL Co of "	1890	*	W		(10)	P-E			Sp					
		1900	*	W		6			6						
		1910	*	W		6			6						
		1920	O												
		1930	*	W		10			10						
		1940	O												
		1950	O												
		AVERAGES:				7			7						
28 Galesburg	" GL&Coke Co	1890	*	C	8				8						
		1900	*	C	40				40						
		1910	*	W	96				96						
		1920	*	C,W	106	64			170		(4)	(3)	5		
		1930	*	W		312			312			103			
		1940	*	CW		230			230						
		1950	N												
		AVERAGES:			63	202			143			103	5		

(continued)

TABLE B-1 (continued)

STATE: ILLINOIS

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
29	Galva	* GL&Coke Co	1890	*	C	(2)										
			1900	*	C	4				4						
			1910	*	C	6	60			6	*Granger					
			1920	O	W		220				*		120			
			1930	O	W		323				*		211			
			1940	-	CW		301				*					
			1950	-	CW		473				*					
			AVERAGES:			5				5						
30	Jacksonville	* GL&Coke Co	1890	*	C	14				14						
			1900	*	C	21				21						
			1910	*	C	44				44						
			1920	*	C	60	11			60		2	31			
			1930	*	C,W	16	73			73		1	24			
			1940	N	CW		31									
			1950	N												
			AVERAGES:			37	73			44						
31	Jerseyville	EL&GP Co	1890	*	?	4				?						
			1900	O												
			1910	O	C	23										
			1920	-	C	42						2	30	8		
			1930	-	C	110							27			
			1940	-												
			1950	-												
			AVERAGES:													
32	Joliet	* G Co	1890	*	W		10			10	Sp					
			1900	*	W		50			50	*					
			1910	O	W		?									
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				30			30						

(continued)

TABLE B-1 (continued)

STATE: ILLINOIS

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
33	Kankakee	* GL Co	1890	*	C	(8)										
			1900	*	C	8				8						
			1910	*	C	34				34						
			1920	*	C	85				85			(10)	(.5)		
			1930	*	W	103	201			201			81			
			1940	N												
			1950	N												
			AVERAGES:			42	201			82			81			
34	Kewanee	* GL&Coke Co	1890	*	W	6	5			5	Lowe (Sp)					
			1900	*	W	22	8			8	"					
			1910	*	W		26			26	"					
			1920	*	W	15	87			87	"	(3)	110			
			1930	*	CW		122			122	"		20			
			1940	*	CW		69			69						
			1950	N												
			AVERAGES:				53			53			20			
35	LaSalle&Peru	Twin City Gas Works	1890	*	C	7	1,500			7	Springer					
			1900	*	C	11				11						
			1910	*	C	24				24						
			1920	*	C,W	47	9			56						
			1930	*	CW		159			159						
			1940	*	CW		141			141						
			1950	N												
			AVERAGES:			22	103			66						
36	Lincoln	* G&EL Co	1890	*	C	11	750			11	S,J,F					
			1900	*	C	13				13						
			1910	*	C	20				20						
			1920	*	C	26				26						
			1930	*	C,W	33	8			41		2	33			
			1940	O												
			1950	O												
			AVERAGES:			21	8			22		2				

(continued)

TABLE B-1 (continued)

STATE: ILLINOIS

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
37	Macomb	* Gas Works	1890	*	W		(4)	(65)								
			1900	*	W		7			7	Lowe					
			1910	*	W		16			16	*					
			1920	*	W		21			21	*					
			1930	*	W		57			57	*		45			
			1940	0												
			1950	0												
			AVERAGES:				25			25			45			
38	Matoon	* GL&Coke Co	1890	*	C	?	100				Jerman.					
			1900	*	C	5				5						
			1910	*	C	24				24						
			1920	*	C	43				43						
			1930	*	C,W	12	124			136		1	89			
			1940	0												
			1950	0												
			AVERAGES:			21	124			52		1	89			
39	Mendota	* G Co	1890	*	C	4				4						
			1900	*	C	5				5						
			1910	*	C	9				9						
			1920	*	C	14				14						
			1930	*	C	21				21		(1)	21			
			1940	*	C	22				22		(1)	29			
			1950	0												
			AVERAGES:			13				13			25			
40	Moline	The People's L&Fuel Co	1890	*	C	7				7						
			1900	*	C	45				45						
			1910	*	W		164			164						
			1920	*	W		556			556						
			1930	*	W		1,000			1,000			292			
			1940	0												
			1950	0												
			AVERAGES:			26	573			354			292			

(continued)

TABLE B-1 (continued)

STATE: ILLINOIS

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
					Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
41 Monmouth	* G Co	1890	*	C	(5)	300				G,W-L					
		1900	*	C	7	6,300			7	"					
		1910	*	C,W	10	10			35	"					
		1920	*	W		32			32	"					
		1930	P	Coke,W		13,085		8,707		"					
		1940	D												
		1950	D												
		AVERAGES:			13	25			25						
42 Morris	* G Co	1890	*	W		(5)				Lowe (Gp)					
		1900	*	W		2			2	"					
		1910	*	W		9			9	Lowe (Du)					
		1920	D												
		1930	D												
		1940	-												
		1950	-												
		AVERAGES:				6			6						
43 Ottawa	* G,L&Coke Co	1890	*	C	12				12						
		1900	*	C	19				19						
		1910	*	W	30	5			30	Lowe	(1)	0	1		
		1920	*	W	109	60			109		4	807			
		1930	*	W	194	103			194			65			
		1940	N												
		1950	N												
		AVERAGES:			73				73			65			
44 Paris	* G,L&Coke Co	1890	*	W	12	3			3	P-R					
		1900	*	W	32	5			5	"					
		1910	*	C	9				9						
		1920	*	C	10	62			10	Lowe	(1)	(0)	(0)		
		1930	*	C	1	407			1	"	1	250			
		1940	D												
		1950	D												
		AVERAGES:			9	4			7						

(continued)

TABLE B-1 (continued)

STATE: ILLINOIS

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO. CITY			YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
45 Peoria	* GL&Coke Co		1890	*	C	50		(5)		50	Patton					
			1900	*	C	110		(10)		110	"					
			1910	*	C,W	182	8	30		190	Lowe (G)					
			1920	*	C,W	533	49	37		582	"	(2)	145			
			1930	*	W		535			535	"	(18)	769	144		
			1940	N												
			1950	N												
			AVERAGES:			219	197			293			457	144		
46 Pekin	* GL Co		1890	*	C	10				10						
			1900	*	C	16				16						
			1910	*	C	35				35						
			1920	*	C	?										
			1930	P												
			1940	N												
			1950	N												
			AVERAGES:			20				20						
47 Princeton	* GL Co		1890	*	C	(5)										
			1900	*	C	?										
			1910	*	C	10	144			10	Lowe					
			1920	*	C	14	465			14	"					
			1930	*	C	18				18		1	19			
			1940	*	W	33				33						
			1950	N												
			AVERAGES:			19				19		1	19			
48 Pullman	* Gas Works		1890	*	W	12	(12)				Lowe					
			1900	X	C	45										
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			29				29						

(continued)

TABLE B-1 (continued)

STATE: ILLINOIS

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
49 Quincy	* GL&Coke Co	1890	*	C	30				30						
		1900	*	C	70				70						
		1910	O												
		1920	*	C,W	144	48			192		(3)	169	34		
		1930	*	C,CW	296	16			312		18	400			
		1940	N												
		1950	N												
		AVERAGES:			135	32			151		18	289	34		
50 Rockford	* GL&Coke Co	1890	*	C	35				35						
		1900	*	C	40				40						
		1910	*	C	210				210						
		1920	*	C,W	425	95			520		(9)	(24)	(17)		
		1930	*	Coke,W		53		109	162		(45)	(1115)			2,000,000 lbs ammonium sulfate
		1940	*	Coke,W		211		1,093	1,304		73	1,200			1,573,130 lbs ammonium sulfate
		1950	-												
		AVERAGES:			180	120		601	380		73	1,200			
51 Rock Island	* G Co	1890	*	C	10				10						
		1900	O												
		1910	O												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			10				10						
52 South Chicago	Calumet G Co	1890	*	W		?									
		1900	O												
		1910	O												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: ILLINOIS

NO. CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
53 Springfield	* GL Co	1890	*	C	(30)										
		1900	*	C	?										
		1910	*	C,W	58	87			145						
		1920	*	C,W	98	207			305						
		1930	*	W		553			553						
		1940	*	W		24			24						
		1950	N												
		AVERAGES:			78	218			257						
54 Sterling	* G&EL Co	1890	*	C	3				3						
		1900	*	C	8				8						
		1910	*	C	35				35						
		1920	*	C	59				59		(31)	(2)			
		1930	*	C,W	211	37			248	Lowe	(2)	287			
		1940	*	C,W	205	59			264	"	(5)	282			
		1950	0												
		AVERAGES:			87	48			103			285			
55 Streator	* GL Coke Co	1890	*	C	9				9						
		1900	*	C	11				11						
		1910	*	C	40				40						
		1920	*	C	65				65						
		1930	*	W		94			94			10			
		1940	0												
		1950	0												
		AVERAGES:			31	94			44			10			
56 Waukegan	* GL Co	1890	*	W		3			3	G-G					
		1900	*	W		12			12	"					
		1910	0												
		1920	0												
		1930	0												
		1940	*	CW		320			320						
		1950	N												
		AVERAGES:				112			112						

(continued)

TABLE B-1 (continued)

STATE: ILLINOIS

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
57	Beardstown	* EL&P Co	1890													
			1900	*	C	7										
			1910	*	C	7				7						
			1920	*	C	24				24						
			1930	*	C	38				38		2	41			
			1940	0												
			1950	0												
			AVERAGES:			23				23		2	41			
58	Belvidere	* GL&Fuel Co	1890													
			1900	*	W		13			13	Lowe Improved					
			1910	*	W		25			25	"					
			1920	*	W		42			42	"					
			1930	*	W		61			61	"					
			1940	*	CW		50			50	"					
			1950	0												
			AVERAGES:				38			38						
59	Chicago	Ogden G Co	1890													
			1900	*	W		303			303	Lowe					
			1910	*	W		1,100			1,100	"					
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:				702			702						
60	Clinton	* G Co	1890													
			1900	*	C	(7)										
			1910	*	C	11				11						
			1920	*	C	19				19		(0.4)	7			
			1930	*	CW	34				34						
			1940	*	CW	23				23						
			1950	N												
			AVERAGES:			22				22						

(continued)

TABLE B-1 (continued)

STATE: ILLINOIS

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS*******				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
61	Litchfield	* LH&P Co	1890													
			1900	*	O			5		5	Kendall					
			1910	*	O			5		5	*					
			1920	*	O			7		7	*					
			1930	P												
			1940	O												
			1950	O												
			AVERAGES:					6		6						
62	Mendota	* L&H Co	1890													
			1900	*	W		3			3	Sa					
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				3			3						
63	Murphysboro	* Waterworks	1890													
			1900	*	W		2			2	Lowe					
			1910	*	W		8			8	*					
			1920	*	W		18			18	*					
			1930	N												
			1940	N												
			1950	N												
			AVERAGES:				9			9						
64	Nauvoo	* GL Co	1890													
			1900	*	?					?						Gasoline feedstock
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: ILLINOIS

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
65	Oak Park	Cicero G Co	1890													
			1900	*	W		100			100	Rew					
			1910	O												
			1920	*	W		1,160			1,160	Rew		"(140)			
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:				630			630						
66	Peoria	People's G&E Co	1890													
			1900	*	C	?										
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
67	Springfield	Provident G Co	1890													
			1900	*	?					?						
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
68	Taylorville	Citizen's GL&Fuel Co	1890													
			1900	*	O			4		4						
			1910	*	W		6			6	Lowe					
			1920	*	W		13			13	"					
			1930	*	W		53			53	"					
			1940	O												
			1950	O												
			AVERAGES:				24	4		19						

(continued)

TABLE B-1 (continued)

STATE: ILLINOIS

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
69 Charleston	* Illum Co	1890													
		1900													
		1910	*	C	8				8						
		1920	*	C	13				13		(0.6)	12			
		1930	P												
		1940	O												
		1950	O												
		AVERAGES:			11				11			12			
70 Chicago Heights	* G Co	1890													
		1900													
		1910	*	C,W	43				43	Lowe					
		1920	*	C,W	80				80	"	(1)	(8)			
		1930	O												
		1940	O												
		1950	-												
		AVERAGES:			62				62						
71 Geneseo	* G Co	1890													
		1900													
		1910	*	W		6			6	Lowe					
		1920	*	W		9			9	"					
		1930	*	W		16			16	"					
		1940	*	CW		15			15	"					
		1950	O												
		AVERAGES:				12			12						
72 Granite City	* GL&E Co	1890													
		1900													
		1910	*	C	43				43						
		1920	*	C,W	24	64			88		(1.4)	8			
		1930	P												
		1940	P												
		1950	N												
		AVERAGES:			34	64			66			8			

(continued)

TABLE B-1 (continued)

STATE: ILLINOIS

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
73	Greenville	*EG&P Co	1890													
			1900													
			1910	*	O			(5)								
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:													
74	Harvard	* G Co	1890													
			1900													
			1910	*	W		?									
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:													
75	Hoopeston	* G Co	1890													
			1900													
			1910	*	W		?									
			1920	*	W		19			19						
			1930	*	C,W	22	21			43						
			1940	0												
			1950	0												
			AVERAGES:			22	20			31						
76	Morrison	* G&E Co	1890													
			1900													
			1910	*	W		10			10	Lowe					
			1920	*	W		17			17	"					
			1930	X												
			1940	-												
			1950	-												
			AVERAGES:				14			14						

(continued)

TABLE B-1 (continued)

STATE: ILLINOIS

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
77	Mt Carmel	* G&E Co	1890													
			1900													
			1910	*	W		(8)									
			1920	*	W		9			9						
			1930	*	W		20			20						
			1940	*	CW		29			29						
			1950	N												
			AVERAGES:				19			19						
78	Mt Vernon	Citizen's GE&H Co	1890													
			1900													
			1910	*	C	10				10						
			1920	*	C	11				11						
			1930	P												
			1940	*	C	20				20						
			1950	*	W		29			29						
			AVERAGES:			14	29			18						
79	Pontiac	* L&W Co	1890													
			1900													
			1910	*	C	10				10						
			1920	*	C	50				50						
			1930	*	C							(1)	50			
			1940	O												
			1950	O												
			AVERAGES:			30				30			50			
80	Rochelle	* G Co	1890													
			1900													
			1910	*	W		12			12	Tenney					
			1920	*	W		7			7	"					
			1930	*	CW		22			22	Steere		6			
			1940	*	CW		22			22	"					
			1950	N												
			AVERAGES:				16			16			6			

(continued)

TABLE B-1 (continued)

STATE: ILLINOIS

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
81	Savanna	* GL Co	1890													
			1900													
			1910	*	W		15			15	Lowe					
			1920	*	W		?				*					
			1930	*	W		30			30	*					
			1940	*	W		28			28	*					
			1950	*	W		45			45	*					
			AVERAGES:				30			30						
82	Tiskilwa	* Gas Works	1890													
			1900													
			1910	*	O			2		2	Lowe					
			1920	*	O			3		3	*					
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:					3		3						
83	Waukegan	North Shore Con G Co	1890													
			1900													
			1910	*	W		194			194	Lowe					
			1920	*	W		?				*					
			1930	*	CW		454			454	*					
			1940	O												
			1950	-												
			AVERAGES:				324			324						
84	Blue Island	Public Serv Co of N IL	1890													
			1900													
			1910													
			1920	*	W		528			528			258			
			1936	*	W		49			49						
			1940	O												
			1950	O												
			AVERAGES:				289			289						

(continued)

TABLE B-1 (continued)

STATE: ILLINOIS

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
85	Dekalb	Ill No Utilities Co	1890													
			1900													
			1910													
			1920	*	C,W	54	5			59	Lowe	(1)	(1)			
			1930	*	C	87				87						
			1940	*	?											
			1950	0												
			AVERAGES:			71	5			73						
86	Edwardsville	Madison County L&P Co	1890													
			1900													
			1910													
			1920	*	C	12				12		(8)	45			
			1930	P												
			1940	0												
			1950	0												
			AVERAGES:			12				12			45			
87	Hillsboro	So Ill L&P Co	1890													
			1900													
			1910													
			1920	*	W		5			5	Tenney					
			1930	X												
			1940	-												
			1950	-												
			AVERAGES:				5			5						
88	Paxton	" G Co	1890													
			1900													
			1910													
			1920	*	W		8			8						
			1930	*	CW		22			22			6			
			1940	*	CW		?									
			1950	0												
			AVERAGES:				15			15			6			

(continued)

TABLE B-1 (continued)

STATE: ILLINOIS

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO. CITY		YEAR	STATUS	GAS TYPE		Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
89 Shelbyville	Queen City G Co	1890														
		1900														
		1910														
		1920	*	W			(3)				Tenney					
		1930	*	CW			10			10	"					
		1940	0													
		1950	0													
		AVERAGES:					10			10						
90 West Hammond	" G&E Co	1890														
		1900														
		1910														
		1920	*	?						32						
		1930	P													
		1940	0													
		1950	0													
		AVERAGES:								32						
91 Pana	Central Ill Pub Serv	1890														
		1900														
		1910														
		1920														
		1930	*	CW			15			15	Tenney		1			
		1940	0													
		1950	0													
		AVERAGES:					15			15			1			

(continued)

TABLE B-1 (continued)

STATE: INDIANA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Anderson	* Natural Gas&Oil Co	1890	*	W		(11)				Lowe					
			1900	0												
			1910	0												
			1920	*	W		300			300	Lowe					
			1930	*	W		378			378	"					
			1940	*	W		190			190	"					
			1950	0												
			AVERAGES:				289			289						
2	Aurora	* GL Coal&Coke Co	1890	*	C	10				10						
			1900	*	C	9				9						
			1910	*	C	6				6						
			1920	*	C	7				7						
			1930	*	C	9				9		1	8			
			1940	*	C	12				12		1	15			
			1950	N												
			AVERAGES:			9				9		1	12			
3	Columbus	* GL Coke Co	1890	*	C	5				5						
			1900	*	C	6				6						
			1910	*	C,W	32	4			36						
			1920	*	C,W	40	3			43						
			1930	*	C,W	26	6			32		3	45			
			1940	P												
			1950	0												
			AVERAGES:			22	4			24		3	45			
4	Connersville	* GL Mfg Co	1890	*	C	5				5						
			1900	*	C	4				4						
			1910	*	C	2				2						
			1920	*	C	8				8						
			1930	*	CW		62			62		(1)	44			
			1940	*	CW		69			69						
			1950	0												
			[illegible]			[illegible]	[illegible]			[illegible]						

(continued)

TABLE B-1 (continued)

STATE: INDIANA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS*********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Crawfordsville	* GEL Co	[illegible]90	*	C	9				9						
			[illegible]00	*	C	8				8						
			1910	*	W		20			20						
			1920	O												
			1930	P												
			1940	O												
			1950	O												
			AVERAGES:			9	20			15						
6	Elkhart	* GL Coke Co	1890	*	C	9				9						
			1900	*	C	20				20						
			1910	*	C	60				60						
			1920	*	C,W	148	19			167	Lowe (Sp)	(3)				
			1930	*	C,CW	55	24			79	"	3	80			
			1940	*	C,CW	250	?			250	"					
			1950	O												
			AVERAGES:			92	22			99		3	80			
7	Evansville	* GEL Co	1890	*	C	55				55						
			1900	*	C	100				100						
			1910	*	C,W	150	50			200						
			1920	*	C,W	241	39			280						
			1930	*	C,W	13	556			569		(-)	175			
			1940	*	CW		29			29						
			1950	N												
			AVERAGES:			113	169			207			175			
8	Fort Wayne	* GL Co	1890	*	W		30			30						
			1900	*	W		23			23						
			1910	*	W		(365)									
			1920	O												
			1930	*	Coke,CW		891		1,118	2,009		(27)	1,245			2,000,000 lbs ammonium sulfate
			1940	N												
			1950	N												
			AVERAGES:				315		1,118	687			1,245			

(continued)

TABLE B-1 (continued)

STATE: INDIANA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Frankfort	* GL Co	1890	*	C	5				5						
			1900	*	C	4				4						
			1910	0												
			1920	0												
			1930	*	W		150			150	Lowe					
			1940	0												
			1950	0												
			AVERAGES:			5	150			56						
10	Franklin	* G Co	1890	*	C	5				5						
			1900	*	C	(6)										
			1910	*	C	9				9						
			1920	*	C	13				13		1	10			
			1930	*	C	18				18		1	16			
			1940	P												
			1950	0												
			AVERAGES:			11				11		1	13			
11	Goshen	* GL Co	1890	*	C	(8)										
			1900	*	C	9				9						
			1910	*	C	31				31						
			1920	*	C,W	49	6			55	Pratt					
			1930	P												
			1940	P												
			1950	0												
			AVERAGES:			30	6			32						
12	Greencastle	* GL Fuel&Coke Co	1890	*	C	(5)										
			1900	*	C	5				5						
			1910	*	C	6				6						
			1920	*	C	11				11		(0.4)	(1)			
			1930	*	C	18				18		(1)	16			
			1940	P												
			1950	0												
			AVERAGES:			10				10						

(continued)

TABLE B-1 (continued)

STATE: INDIANA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13	Greensburgh	* GEL&Motor Co	1890	*	W		4			4	Lowe					
			1900	I												
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				4			4						
14	Huntington	* GL&Fuel Co	1890	*	C	6				6						
			1900	*	C	7				7						
			1910	*	C	7				7						
			1920	*	C	80				80						
			1930	P												
			1940	O												
			1950	O												
			AVERAGES:			25				25						
15	Indianapolis	* ELG&Heat Co	1890	*	W		(125)				Lowe (J)					
			1900	*	W		225			225	*					
			1910	*	W		1,000			1,000	*					
			1920	*	Coke,W		400		2,460	2,860	*					
			1930	*	Coke,W		586		3,153	3,739	*	(45)	3,610			1,000,000 lbs ammonium sulfate
			1940	*	Coke,W		83		?	83	*		45			
			1950	N												
			AVERAGES:				459		2,807	1,581			1,828			
16	Indianapolis	* GL&Coke Co	1890	*	C	(125)										
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: INDIANA

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
17 Jeffersonville	* G Co	1890	*	C	5				5						
		1900	*	C	12				12						
		1910	O												
		1920	O												
		1930	*	CW		56			56						
		1940	O												
		1950	O												
		AVERAGES:			9	56			24						
18 Kokomo	* GL&Coke Co	1890	*	W		(10)				Lowe (G)					
		1900	*	W		4			4	*					
		1910	*	W		18			18	*					
		1920	O												
		1930	*	W		422			422	*		319			
		1940	O												
		1950	O												
		AVERAGES:				148			148			319			
19 Lafayette	* GL Co	1890	*	C	20				20						
		1900	*	C	26				26						
		1910	C												Merged w/Ft. Wayne
		1920	O												
		1930	*	C,CW	190	207			397		12	377	35		No. IN Public Service
		1940	O												
		1950	O												
		AVERAGES:			79	207			148		12	377	35		
20 La Porte	* G&Coke Co	1890	*	C	5				5						
		1900	*	C	13				13						
		1910	*	C	35				35						
		1920	*	C,W	36	36			72		(1)	20			
		1930	*	CW		111			111			53			
		1940	*	CW		140			140						
		1950	*	CW		23			23						
		AVERAGES:			22	78			57			37			

(continued)

TABLE B-1 (continued)

STATE: INDIANA

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
21 Lawrenceburgh	* G Co	1890	*	C	(6)										
		1900	*	C	6				6						
		1910	*	C	6				6						
		1920	*	C	?										
		1930	*	C	10				10		1				
		1940	*	W		15			15						
		1950	N												
		AVERAGES:			7	15			9		1				
22 Lebanon	* American G Co	1890	*	C	4				4						
		1900	N												
		1910	N												
		1920	N												
		1930	N												
		1940	N												
		1950	N												
		AVERAGES:			4				4						
23 Logansport	* GL&Coke Co	1890	*	C	14				14						
		1900	*	C	?										
		1910	C												Merged w/Ft.Wayne
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			14				14						
24 Madison	* GL Co	1890	*	C	(10)										
		1900	*	C	8				8						
		1910	*	C	12				12						
		1920	*	C	20				20		(8)	1			
		1930	*	C	21				21		1	16			
		1940	*	C	25				25						
		1950	N												
		AVERAGES:			17				17		1	9			

(continued)

TABLE B-1 (continued)

STATE: INDIANA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
						Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
25	Marion	* Coal G Co	1890	*	C	(9)										
			1900	0												
			1910	0												
			1920	*	W		2,300			2,300						
			1930	*	CW		176			176						
			1940	0												
			1950	0												
			AVERAGES:				1,238			1,238						
26	Michigan City	* G Co	1890	*	C	9				9						
			1900	*	C	19				19						
			1910	*	C,W	67	8			75	Low					
			1920	C												Consol. w/Hammond
			1930	P												
			1940	P												
			1950	0												
			AVERAGES:			32	8			34						
27	Muncie	* Gas Works	1890	*	C	(8)										
			1900	0												
			1910	0												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
28	New Albany	* GL&Coke Co	1890	*	C	25				25						
			1900	*	C	17				17						
			1910	*	C	76				76						
			1920	*	C	130				130						
			1930	*	C,CW	78	48			126		5	99			
			1940	P												
			1950	0												
			AVERAGES:			65	48			75		5	99			

(continued)

TABLE B-1 (continued)

STATE: INDIANA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
29	Peru	* American G Co	1890	*	C	(8)										
			1900	*	C	5				5						
			1910	P												
			1920	P												
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:			5				5						
30	Richmond	* G Co	1890	*	W		34			34	H-C					
			1900	*	W		30			30	*					
			1910	*	W		41			41	*					
			1920	O												
			1930	*	CW		293			293	*					
			1940	O												
			1950	O												
			AVERAGES:				100			100						
31	Rushville	* GL Co	1890	*	O			3		3						
			1900	*	O			6		6						
			1910	*	O			8		8						
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:					6		6						
32	Seymore	* GL&Coke Co	1890	*	C	6				6						
			1900	*	C	25				25						
			1910	*	C	18				18						
			1920	O												
			1930	*	C,CW	42		1		43	Lowe	2	43			
			1940	P												
			1950	O												
			AVERAGES:			23		1		23		2	43			

(continued)

TABLE B-1 (continued)

STATE: INDIANA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
33	South Bend	* GL Co	1890	*	W		(25)				Lowe					
			1900	*	W		65			65	"					
			1910	*	W		260			260	"					
			1920	O												
			1930	*	CW		1,990			1,990	Lowe		967			
			1940	P												
			1950	O												
			AVERAGES:				772			772			967			
34	Terre Haute	* GL Co	1890	*	W		(35)									
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
35	Terre Haute	* Citizen's G&Fuel Co	1890	*	W		?									
			1900	*	W		110			110						
			1910	*	C,W	120	100			220						
			1920	*	W		130			130						
			1930	*	CW		?									
			1940	*	CW		309			309						
			1950	*	Coke				1,310	1,310						
			AVERAGES:			120	164		1,310	417						
36	Valparaiso	* G&EL Co	1890	*	O			(8)			Patton					
			1900	*	O			6		6	"					
			1910	*	C,W		24	3		27	Lowe					
			1920	*	C,W		32			32	"					
			1930	I												
			1940	-												
			1950	-												
			AVERAGES:				28	5		22						

(continued)

TABLE B-1 (continued)

STATE: INDIANA

NO. CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
37 Vincennes	Citizen's G&L Co	1890	*	C	16				16						
		1900	*	C	18				18						
		1910	0												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			17				17						
38 Wabash	" GL Co	1890	*	O			2		2						
		1900	*	O			1		1						
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:					2		2						
39 Warsaw	" LFuel&Power Co	1890	*	O			4		4	Ketz					
		1900	*	O			16		16	V-Gi					
		1910	*	O			7			*					
		1920	*	O			25		25	*					
		1930	*	O			33		33	*	2	49			
		1940	*	C	30				30	*	3	43			
		1950	*												
		AVERAGES:			30		20		23		3	46			
40 Washington	The " G Co	1890	*	C	10				10						
		1900	*	C	6				6						
		1910	*	C	21				21						
		1920	*	C	30				30		(1)	4			
		1930	N												
		1940	N												
		1950	N												
		AVERAGES:			17				17			4			

(continued)

TABLE B-1 (continued)

STATE: INDIANA

NO. CITY					GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
41 Shelbyville	* GL Co	1890	*	W		6			6	Lowe (G)					
		1900	*	W		7			7	"					
		1910	*	W		18			18	"					
		1920	*	W		34			34	"					
		1930	*	CW		68			68	"		14			
		1940	*	CW		70			70	"					
		1950	O												
		AVERAGES:				34			34			14			
42 Bloomington	* B Co	1890													
		1900	*	C	9				9						
		1910	*	W		23			23	Lowe					
		1920	*	W		42			42	"					
		1930	*	CW		125			125	"					
		1940	P												
		1950	O												
		AVERAGES:			9	63			50						
43 Liberty	* Fuel&GL Co	1890													
		1900	*	O			6		6						
		1910	*	O			5		5						
		1920	*	O			15		15		2	14			
		1930	*	O			4		4						
		1940	O												
		1950	O												
		AVERAGES:					8		8		2	14			
44 Martinsville	* GL&F Co	1890													
		1900	*	W		3			3	Parker/Bunt					
		1910	*	W		2			2	Lowe					
		1920	O												
		1930	P												
		1940	P												
		1950	O												
		AVERAGES:				3			3						

(continued)

TABLE B-1 (continued)

STATE: INDIANA

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
45 Auburn	Indiana F&L Co	1890													
		1900													
		1910	*	C	15				15						
		1920	*	C	66				66		(0)	(7)			
		1930	*	C,W	70	27			97		4	73			
		1940	*	C,W	80	?			80		4	81			
		1950	*	C,W	60	?			60						"Blue gas"
		AVERAGES:			58	27			64		4				
46 Bedford	" LH&P Co	1890													
		1900													
		1910	*	C	18				18						
		1920	*	C	28				28		3	20			
		1930	*	C,CW	37	35			72						
		1940	P												
		1950	O												
		AVERAGES:			28	35			39		3	20			
47 Brazil	" G Co	1890													
		1900													
		1910	*	C	13				13						
		1920	*	C	22				22		(0)	(4)			
		1930	P												
		1940	O												
		1950	O												
		AVERAGES:			18				18						
48 Danville	" LH&P Co	1890													
		1900													
		1910	*	?				?							
		1920	O												
		1930	O												
		1940	-												
		1950	-												
		AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: INDIANA

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
49 Gary	" HL&W Co	1890													
		1900													
		1910	*	W		20			20	Lowe					
		1920	*	W		102			102	"					
		1930	P												
		1940	P												
		1950	D												
		AVERAGES:				61			61						
50 Hammond	No Ind G&E Co	1890													
		1900													
		1910	*	W		200			200	Lowe					
		1920	*	W		2,300			2,300	"					
		1930	P								3	47			
		1940	*	C,W	40	398			438	Lowe					
		1950	*	W		895			895	"		294			
		AVERAGES:			40	948			958		3	171			
51 Indianapolis	Citizen's G Co of "	1890													
		1900													
		1910	*	Coke				(150)		Otto-Hoff.					
		1920	B												
		1930	O												
		1940	*	Coke				4,160	4,160	Otto-Hoff.	(9)	3,624			
		1950	*	Coke,W		3,082		8,245	11,327	" "	(82)	6,772			
		AVERAGES:				3,082		6,203	7,744			5,198			
52 Linton	" G Co	1890													
		1900													
		1910	*	C	10				10						
		1920	B												
		1930	N												
		1940	N												
		1950	N												
		AVERAGES:			10				10						

(continued)

TABLE B-1 (continued)

STATE: INDIANA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
53	New Castle	* LH&P Co	1890													
			1900													
			1910	*	C	30				30						
			1920	O												
			1930	*	C,CW	93	26			119		5	96			
			1940	O												
			1950	O												
			AVERAGES:			62	26			75		5	96			
54	Plymouth	* L Co	1890													
			1900													
			1910	*	W		7			7	Lowe					
			1920	C												Cons. w/Hammond
			1930	P												
			1940	P												
			1950	O												
			AVERAGES:				7			7						
55	Princeton	Consumer's G Co of *	1890													
			1900													
			1910	*	C	?										
			1920	*	C	10				10						
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:			10				10						
56	Rochester	* G&F Co	1890													
			1900													
			1910	*	C	13				13						
			1920	*	C	16				16						
			1930	*	C,CW	13	3			16						
			1940	P												
			1950	P												
			AVERAGES:			14	3			15						

(continued)

TABLE B-1 (continued)

STATE: INDIANA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	BY-PRODUCTS				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
57	Loogootee	* G&F Co	1890													
			1900													
			1910													
			1920	*	O			4		4						
			1930	D												
			1940	D												
			1950	-												
			AVERAGES:					4		4						
58	Noblesville	Indiana UL Co	1890													
			1900													
			1910													
			1920	P												It is uncertain if this site ever manufactured gas
			1930	D												
			1940	D												
			1950	-												
			AVERAGES:													
59	Muncie	Central In G Co	1890													
			1900													
			1910													
			1920													
			1930	*	C,W	578	251			829						
			1940	*	W	647				647						
			1950	D												
			AVERAGES:			613	251			738						
60	Winchester	Indiana-Ohio PS Co	1890													
			1900													
			1910													
			1920													
			1930	*	CW		66			66						
			1940	D												
			1950	D												
			AVERAGES:				66			66						

(continued)

TABLE B-1 (continued)

STATE: INDIANA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
						Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
61	Terre Haute	Indiana G&Chem Corp	1890													
			1900													
			1910													
			1920													
			1930													
			1940	*	Coke				1,252	1,252		116	706	629		
			1950	0												
			AVERAGES:						1,252	1,252		116		629		

(continued)

TABLE B-1 (continued)

STATE: IOWA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Atlantic	* GL Co	1890	*	O			(6)								
			1900	*	O			2		2						
			1910	*	W		5			5	Lowe					
			1920	*	W		5			5	*					
			1930	*	CW		15			15	*					
			1940	N												
			1950	N												
			AVERAGES:				8	2		7						
2	Burlington	* GL Co	1890	*	W		25			25	Lowe (6)					
			1900	*	W		45			45	*					
			1910	*	W		94			94	*					
			1920	*	W		156			156	*					
			1930	*	W		201			201	*					
			1940	*	W		161			161	*					
			1950	*	W		60			60	*					
			AVERAGES:				196			106						
3	Cedar Rapids	* GL Co	1890	*	C	15				15						
			1900	*	C	30				30						
			1910	*	C,W	65	65			130	Lowe					
			1920	*	C,W	50	307			357	*		(104)			
			1930	*	W		475			475	*		252			
			1940	O												
			1950	O												
			AVERAGES:			40	282			201			252			
4	Clinton	* GL&Coke Co	1890	*	C	7				7						
			1900	*	C	35				35						
			1910	*	C,W	70	30			100	Gp					
			1920	*	C,W	200	155			355	*	(1)	(6)			
			1930	*	Coke,W		3		213	216		10	32			
			1940	O												
			1950	O												
			AVERAGES:			78	63		213	143		10	32			

(continued)

TABLE B-1 (continued)

STATE: IOWA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Council Bluffs	* G&EL Co	1890	*	W		(40)									
			1900	*	W		28			28						
			1910	*	W		88			88						
			1920	*	W		160			160						
			1930	*	W		(41)									
			1940	O												
			1950	O												
			AVERAGES:				92			92						
6	Creston	* GL Co	1890	*	W		6			6	Pratt&Ryan					
			1900	*	W		7			7	" "					
			1910	*	W		8			8	" "					
			1920	*	W		20			20	" "					
			1930	*	CW		27			27	" "					
			1940	*	CW		27			27	" "					
			1950	N												
			AVERAGES:				16			16						
7	Davenport	* GL Co	1890	*	C	20				20						
			1900	*	C	33				33						
			1910	*	C,W	87	87			174						
			1920	*	C,W	97	302			399						
			1930	*	CW		536			536			10			
			1940	O												
			1950	O												
			AVERAGES:			59	308			232			10			
8	Des Moines	Capital City GL Co	1890	*	W		60			60	Lowe					
			1900	*	W		110			110	"					
			1910	*	W		500			500	"					
			1920	*	W		930			930	"		(50)			
			1930	*	W		1,215			1,215	"		802			
			1940	N												
			1950	N												
			AVERAGES:				563			563			802			

(continued)

TABLE B-1 (continued)

STATE: IOWA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Dubuque	Key City Gas Co	1890	*	C	30				30						
			1900	*	C	42				42						
			1910	*	C	128				128						
			1920	*	C	150				150						
			1930	O												
			1940	*	C,W	255	18			273		11	248			
			1950	*	C,W	227	139			366		14	258			
			AVERAGES:			139	79			165		13	253			
10	Fairfield	" G Co	1890	*	C	(4)										
			1900	*	C	4				4						
			1910	*	C	1				1						
			1920	*	C	14				14						
			1930	*	C	32				32		1	23			
			1940	*	W		24			24						
			1950	*	W		40			40						
			AVERAGES:			13	32			19		1	23			
11	Fort Dodge	" G Co	1890	*	C,W	(5)										
			1900	O												
			1910	*	C,W	32				32						
			1920	*	C,W	35	67			103		(1)	8	5		
			1930	*	CW		136			136			53			
			1940	O												
			1950	O												
			AVERAGES:			34	102			90				5		
12	Fort Madison	" G Co	1890	*	W		2			2	Lowe (6)					
			1900	*	W		9			9	"					
			1910	*	W		21			21	"					
			1920	*	W		37			37	"					
			1930	*	CW		55			55	Lowe					
			1940	*	CW		29			29	"					
			1950	N												
			AVERAGES:				26			26						

(continued)

TABLE B-1 (continued)

STATE: IOWA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13	Independence	* Gas Works	1890	*	O			(4)			Patton					
			1900	*	O			2		2	"					
			1910	*	O			6		6	"					
			1920	*	O			11		11	"					
			1930	*	W		17			17	Tenney		6			
			1940	*	W		17			17	"					
			1950	N												
			AVERAGES:				17	6		11			6			
14	Iowa City	* GL Co	1890	*	C	6				6						
			1900	*	C	10				10						
			1910	*	C	42				42						
			1920	*	C,W	26	35			61	Lowe	(1)	12			
			1930	*	W		124			124	"					
			1940	N												
			1950	N												
			AVERAGES:			21	80			49			12			
15	Keokuk	* GL&Coke Co	1890	*	W		16			16	Lowe					
			1900	*	W		14			14	"					
			1910	*	W		38			38	"					
			1920	*	W		53			53	"					
			1930	*	W		69			69	"		21			
			1940	*	W		40			40	"					
			1950	N												
			AVERAGES:				38			38			21			
16	Le Mars	* GL Co	1890	*	C	2				2						
			1900	*	C	3				3						
			1910	*	W,O		9	3		12	Lowe					
			1920	*	W		13			13	"					
			1930	*	CW		23			23	"					
			1940	N												
			1950	N												
			AVERAGES:			3	15	3		11						

(continued)

TABLE B-1 (continued)

STATE: IOWA

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
					Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
17 Marshalltown	* G Co	1890	*	C	5				5						
		1900	*	C	11				11						
		1910	*	C	20				20						
		1920	*	C	77				77						
		1930	*	CW		121			121			12			
		1940	*	?											
		1950	*	CW		207			207						
		AVERAGES:			28	164			74			12			
18 Mason City	* G&EL Co	1890	*	C	(5)										
		1900	D												
		1910	*	W		32			32	Lowe					
		1920	*	W		97			97	"					
		1930	*	W		129			129	"		54			
		1940	N												
		1950	N												
		AVERAGES:				86			86			54			
19 Mt Pleasant	* Gas Works	1890	*	C	5				5						
		1900	*	C	8				8						
		1910	*	C	6				6						
		1920	*	C	11				11						
		1930	*	C	14				14						
		1940	*	W		14			14						
		1950	N												
		AVERAGES:			9	14			10						
20 Muscatine	* GEL&P Co	1890	*	C	12				12						
		1900	D												
		1910	*	C	34				34						
		1920	*	C,W	33	24			57		(1)	37			
		1930	*	CW		66			66			20			
		1940	N												
		1950	N												
		AVERAGES:			26	45			42			29			

(continued)

TABLE B-1 (continued)

STATE: IOWA

					GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO. CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS [illegible]MATION
21 Oskaloosa	* G&EL Co	1890	*	C	(10)										
		1900	*	C	7				7						
		1910	*	W		15			15	Lowe					
		1920	*	W		23			23	*					
		1930	*	CW		34			34	*					
		1940	N												
		1950	N												
		AVERAGES:			7	24			20						
22 Ottumwa	* GLH&P Co	1890	*	C,W	(15)										
		1900	*	C,W	14				14						
		1910	*	C,W	24	24			48						
		1920	*	C,W	28	100			128						
		1930	*	W		144			144			36			
		1940	N												
		1950	N												
		AVERAGES:			22	89			84			36			
23 Red Oak	* GL Co	1890	*	O			(5)			Patton					
		1900	*	O			2		2	*					
		1910	*	W		7			7	Lowe					
		1920	*	W		16			16	*					
		1930	*	W		26			26	*					
		1940	N							*					
		1950	N												
		AVERAGES:				16	2		13						
24 Sioux City	* G Co	1890	*	W		30			30						
		1900	*	W		84			84						
		1910	*	W		274			274						
		1920	*	W		557			557						
		1930	*	W		600			600						
		1940	*	CW		870			870						
		1950	*	CW		1,367			1,367						
		AVERAGES:				552			552						

(continued)

TABLE B-1 (continued)

STATE: IOWA

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
					Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
25 Washington	GL Co	1890	*	C	(3)										
		1900	*	W		4			4	Moses					
		1910	*	W		8			8	Lowe					
		1920	*	W		20			20	"					
		1930	*	W		23			23	"					
		1940	*	W		29			29	"					
		1950	N												
		AVERAGES:				17			17						
26 Waterloo	* G&EL Co	1890	*	O			(10)			Patton					
		1900	*	O			5		5	"					
		1910	*	C,W	90	60			150	Lowe					
		1920	*	W		344			344	"					
		1930	*	W		469			469	"					
		1940	*	CW		644			644	"					
		1950	*	CW		1,231			1,231	"					
		AVERAGES:			90	550	5		474						
27 Boone	* G Co	1890													
		1900	*	W		7			7	Lowe					
		1910	*	W		36			36	"					
		1920	*	W		48			48	"					
		1930	*	CW		139			139	"					
		1940	*	CW		151			151	"					
		1950	N												
		AVERAGES:				76			76						
28 Davenport	People's Light Co	1890													Under construction
		1900	*	?											
		1910	O												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: IOWA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
29	Burlington	People's G&E Co	1890													
			1900													
			1910	*	W		15			15	Lowe					
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:				15			15						
30	Centerville	" L&Traction Co	1890													
			1900													
			1910	*	W		4			4	Lowe					
			1920	*	W		8			8	"					
			1930	*	W		18			18	"					
			1940	O												
			1950	O												
			AVERAGES:				10			10						
31	Charle's City	" G Co	1890													
			1900													
			1910	*	W		(6)				Lowe					
			1920	O												
			1930	*	W		47			47	Lowe					
			1940	*	W		30			30	"					
			1950	N												
			AVERAGES:				39			39						
32	Cherokee	" G Co	1890													
			1900													
			1910	*	W		8			8	Tenney					
			1920	*	W		12			12	"					
			1930	*	W		21			21	"					
			1940	*	CW		20			20	"					
			1950	N												
			AVERAGES:				15			15						

(continued)

TABLE B-1 (continued)

STATE: IOWA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
33	Clear Lake	" EL&P Co	1890													
			1900													
			1910	*	W		3			3	Lowe (G)					
			1920	*	W		6			6	"					
			1930	0												
			1940	0												
			1950	-												
			AVERAGES:				5			5						
34	Eagle Grove	Citizen's LH&P Co	1890													
			1900													
			1910	*	C	3				3						
			1920	*	C	9				9						
			1930	0												
			1940	0												
			1950	-												
			AVERAGES:			6				6						
35	Grinnel	People's L&F Co	1890													
			1900													
			1910	*	W		5			5						
			1920	*	W		16			16						
			1930	*	W		17			17						
			1940	*	CW		17			17						
			1950	N												
			AVERAGES:				14			14						
36	Hampton	" G Co	1890													
			1900													
			1910	*	W		5			5	Sp					
			1920	*	W		10			10	"					
			1930	*	W		17			17	"					
			1940	*	CW		17			17	"					
			1950	N												
			AVERAGES:				12			12						

(continued)

TABLE B-1 (continued)

STATE: IOWA

NO. CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
37 Iowa Falls	Iowa Gas Co	1890													
		1900													
		1910	*	W		5			5	Tenney					
		1920	*	W		9			9	*					
		1930	*	W		24			24	*					
		1940	*	W		18			18	*					
		1950	N												
		AVERAGED:				14			14						
38 Knoxville	" G Co	1890													
		1900													
		1910	*	W		5			5						
		1920	*	W		6			6						
		1930	*	W		18			18						
		1940	*	W		7									
		1950	N												
		AVERAGES:				10			10						
39 Maquoketa	" L&H Co	1890													
		1900													
		1910	*	W		12			12						
		1920	*	W		7									
		1930	*	W		17			17						
		1940	*	W		1			1						
		1950	N												
		AVERAGED:				10			10						
40 Marengo	" G Co	1890													
		1900													
		1910	*	W		3			3						
		1920	*	W		16			16						
		1930	X												
		1940	-												
		1950	-												
		AVERAGES:				10			10						

(continued)

TABLE B-1 (continued)

STATE: IOWA

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
41 Nevada	* G Co	1890													
		1900													
		1910	*	W		3			3	Lowe					
		1920	O												
		1930	O												
		1940	-												
		1950	-												
		AVERAGED:				3			3						
42 Oelwein	* G&P Co	1890													
		1900													
		1910	*	C	11				11						
		1920	O												
		1930	*	CW		33			33						
		1940	*	CW		27			27						
		1950	*	CW		46			46						
		AVERAGES:			11	35			29						
43 Osceola	* LH&P Co	1890													
		1900													
		1910	*	W		5			5	Tenney					
		1920	*	W		3			3	*					
		1930	*	W		3			3	*					
		1940	*	CW		1			1	*					
		1950	O												
		AVERAGES:				3			3						
44 Perry	* B Co	1890													
		1900													
		1910	*	W		5			5						
		1920	*	C,W	17	2			19						
		1930	*	?	23				23						
		1940	N												
		1950	N												
		AVERAGES:			20	4			16						

(continued)

TABLE B-1 (continued)

STATE: IOWA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
45	Shenandoah	People Gas Co	1890													
			1900													
			1910	*	W		10			10	Lowe					
			1920	*	W		16			16	"					
			1930	O												
			1940	N												
			1950	N												
			AVERAGES:				13			13						
46	Vinton	" G Co	1890													
			1900													
			1910	*	W		9			9	Tenney					
			1920	*	W		12			12	"					
			1930	*	W		12			12	"					
			1940	*	CW		11			11	"					
			1950	N												
			AVERAGES:				11			11						
47	Albia	" L&Railway Co	1890													
			1900													
			1910													
			1920	*	W		8			8	Tenney					
			1930	*	W		12			12	"					
			1940	*	CW		8			8	"					
			1950	O												
			AVERAGES:				9			9						
48	Ames	Iowa Public Serv	1890													
			1900													
			1910													
			1920	*	W		35			35						
			1930	P												
			1940	P												
			1950	N												
			AVERAGES:				35			35						

(continued)

TABLE B-1 (continued)

STATE: IOWA

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
49 Anamosa	" G Co	1890													
		1900													
		1910													
		1920	*	W		2			2	Tenney					
		1930	O												
		1940	O												
		1950	-												
		AVERAGES:				2			2						
50 Belle Paine	" G Co	1890													
		1900													
		1910													
		1920	*	W		10			10	Tenney					
		1930	*	CW		10			10	"					
		1940	O												
		1950	O												
		AVERAGES:				10			10						
51 Chariton	People's G&P Co	1890													
		1900													
		1910													
		1920	*	W		12			12						
		1930	*	W		16			16	Tenney					
		1940	*	CW		9			9	"					
		1950	N												
		AVERAGES:				12			12						
52 Decorah	" G Co	1890													
		1900													
		1910													
		1920	*	W		15			15	Tenney					
		1930	*	W		17			17	"					
		1940	*	W		17			17	"					
		1950	*	W		25			25	"					
		AVERAGES:				19			19						

(continued)

TABLE B-1 (continued)

STATE: IOWA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				MISCELLANEOUS INFORMATION
						Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	
53	Mapleton	" G Co	1890													
			1900													
			1910													
			1920	*	W		2			2	Tenney					
			1930	*	W		(1)				"					
			1940	O												
			1950	O												
			AVERAGES:				2			2						
54	Newton	City of " G Co	1890													
			1900													
			1910													
			1920	*	W		8			8	Lowe					
			1930	*	W		(8)				"					
			1940	*	CW		46			46	"					
			1950	*	CW		81			81	"					
			AVERAGES:				45			45						
55	North English	People's G Co	1890													
			1900													
			1910													
			1920	*	W		2			2	Lowe					
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:				2			2						
56	Sheldon	" G Co	1890													
			1900													
			1910													
			1920	*	W		12			12	Lowe					
			1930	*	W		9			9	"					
			1940	O												
			1950	O												
			AVERAGES:				11			11						

(continued)

TABLE B-1 (continued)

STATE: IOWA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
57	Storm Lake	* G Co	1890													
			1900													
			1910													
			1920	*	W		5			5	Tenney					
			1930	*	CW		17			17	"					
			1940	*	CW		17			17	"					
			1950	N												
			AVERAGES:				13			13						
58	Waverly	* G Co	1890													
			1900													
			1910													
			1920	*	W		12			12	Tenney					
			1930	*	W		14			14	"					
			1940	O												
			1950	O												
			AVERAGES:				13			13						
59	Webster City	* G Co	1890													
			1900													
			1910													
			1920	*	W		14			14	Lowe					
			1930	*	W		(6)				"					
			1940	*	W		18			18	"					
			1950	O												
			AVERAGES:				16			16						
60	Carroll	Iowa Railway&L Corp	1890													
			1900													
			1910													
			1920													
			1930	*	W		13			13						
			1940	*	W		15			15						
			1950	O												
			AVERAGES:				14			14						

(continued)

TABLE B-1 (continued)

STATE: IOWA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
61	Cedar Falls	City of " GWLE Dept	1890													
			1900													
			1910													
			1920													
			1930													
			1940	*	CW		61			61						
			1950	*	CW		143			143						
			AVERAGES:				102			102						
62	Cedar Rapids	Iowa Southern Util Co	1890													
			1900													
			1910													
			1920													
			1930													
			1940	*	W		13			13	Lowe					
			1950	N												
			AVERAGES:				13			13						

(continued)

TABLE B-1 (continued)

STATE: KANSAS

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Arkansas City	* G&EL Co	1890	*	C	4				4						
			1900	*	C	4				4						
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			4				4						
2	Atchison	* GEL&Power Co	1890	*	C	20				20						
			1900	*	C	14				14						
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			17				17						
3	El Dorado	* G&EL Co	1890	*	W		(6)				Lowe (Sp)					
			1900	*	W		3			3						
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				3			3						
4	Emporia	* E&GL Co	1890	*	C	5				5						
			1900	*	C	8				8						
			1910	*	C	10				10						
			1920	*	C,W	17	4			21						
			1930	0												
			1940	0												
			1950	-												
			AVERAGES:			12	4			13						

(continued)

TABLE B-1 (continued)

STATE: KANSAS

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Fort Scott	City G Co	1890	*	C	(5)										
			1900	*	C	16				16						
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			16				16						
6	Great Bend	* G&Coke Co	1890	*	?											
			1900	0												
			1910	0												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
7	Hutchinson	* G&Fuel co	1890	*	W		6			6						
			1900	*	W		6			6						
			1910	*	W		27			27						
			1920	N												
			1930	N												
			1940	N												
			1950	N												
			AVERAGES:				13			13						
8	Lawrence	* GF&EL Co	1890	*	C	11				11						
			1900	*	C	15				15						
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			13				13						

(continued)

TABLE B-1 (continued)

STATE: KANSAS

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS*******				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Leavenworth	* L&Heating Co	1890	*	C	25				25						
			1900	*	C	35				35						
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			30				30						
10	Newton	* Illuminating Co	1890	*	W		4			4	Lowe (Sp)					
			1900	*	W		5			5	"					
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				5			5						
11	Ottawa	* G Co	1890	*	W		(8)				H-L					
			1900	*	W		8			8	"					
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				8			8						
12	Parson's	* L&Heat Co	1890	*	C	(10)										
			1900	I												
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: KANSAS

NO. CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13 Pittsburg	* GL&Coke Co	1890	*	C	13				13						
		1900	N												
		1910	0												
		1920	0												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			13				13						
14 Salina	Topeka	1890	*	W		(10)									
		1900	*	W		7			7						
		1910	*	C	14				14						
		1920	*	C	41				41						
		1930	0												
		1940	0												
		1950	-												
		AVERAGES:			28	7			21						
15 Topeka	* The Excelsior Coke&G Co	1890	*	C	35				35						
		1900	*	C	33				33						
		1910	0												
		1920	0												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			34				34						
16 Winfield	* G Co	1890	*	C	6				6						
		1900	*	C	5				5						
		1910	*	C	9				9						
		1920	0												
		1930	0												
		1940	-												
		1950	-												
		AVERAGES:			7				7						

(continued)

TABLE B-1 (continued)

STATE: KANSAS

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
17	Wichita	* GEL&P Co	1890	*	C	14				14						
			1900	*	C	16				16						
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			15				15						
18	Wellington	* L&Heat Co	1890	*	W		1			1	Gp					
			1900	*	W		3			3	"					
			1910	0												
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:				2			2						
19	Kansas City	Wyandotte G Co	1890	*	W		7			7	Lowe					
			1900	*	W		61			61	"					
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				34			34						
20	Abiline	Home Gas Co	1890													
			1900													
			1910													
			1920	*	W		14			14	Tenney					
			1930	0												
			1940	0												
			1950	-												
			AVERAGES:				14			14						

(continued)

TABLE B-1 (continued)

STATE: KANSAS

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
21	Concordia	* G Co	1890													
			1900													
			1910													
			1920	*	W		20			20	Tenney					
			1930	*	W		20			20	*					
			1940	0												
			1950	0												
			AVERAGES:				20			20						
22	Junction City	* G Co	1890													
			1900													
			1910													
			1920	*	W		24			24	Tenney					
			1930	0												
			1940	0												
			1950	-												
			AVERAGES:				24			24						
23	Manhattan	* G&E Co	1890													
			1900													
			1910													
			1920	*	C,W	30				30						
			1930	0												
			1940	0												
			1950	-												
			AVERAGES:			30				30						

(continued)

TABLE B-1 (continued)

STATE: KENTUCKY

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				MISCELLANEOUS INFORMATION
						Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	
1	Bellevue	* W&FB Co	1890	*	W		1			1	Lowe (Gp)					
			1900	*	W		10			10	"					
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				6			6						
2	Bowling Green	* GL Co	1890	*	C	(10)										
			1900	*	C	12				12						
			1910	*	C	13				13						
			1920	*	C	23				23						
			1930	*	C	55				55		3	54			
			1940	O												
			1950	O												
			AVERAGES:			26				26		3	54			
3	Covington	GL Co	1890	*	C	1				1						
			1900	*	C	53				53						
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			27				27						
4	Danville	GL Co	1890	*	C	(4)										
			1900	*	C	6				6						
			1910	*	C	15				15						
			1920	*	C	15				15						
			1930	*	C	20				20		1	23			
			1940	N												
			1950	N												
			AVERAGES:			14				14		1	23			

(continued)

TABLE B-1 (continued)

STATE: KENTUCKY

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Frankfort	Capital Gas&El. Co	1890	*	W		12			12	Lowe					
			1900	*	W		12			12	"					
			1910	*	W		25			25	"					
			1920	N												
			1930	N												
			1940	N												
			1950	N												
			AVERAGES:				16			16						
6	Georgetown	* GL Co	1890	*	C	2				2						
			1900	*	C	2				2						
			1910	*	W		3			3						
			1920	*	W		4			4						
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:			2	4			3						
7	Henderson	* City Gas Works	1890	*	C	13				13						
			1900	*	C	15				15						
			1910	*	C	15				15						
			1920	*	C	15				15						
			1930	N												
			1940	N												
			1950	N												
			AVERAGES:			15				15						
8	Hopkinsville	* G Co	1890	*	C	(7)										
			1900	*	C	7				7						
			1910	*	C,W	8	4			12						
			1920	*	C	12				12						
			1930	*	C	23				23		2	22			
			1940	O												
			1950	O												
			AVERAGES:			13	4			14		2	22			

(continued)

TABLE B-1 (continued)

STATE: KENTUCKY

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	********BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Lebanon	* GL Co	1890	*	O			(3)								
			1900	*	P			(3)								
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
10	Lexington	* G Co	1890	*	W		18			18	Lowe					
			1900	*	W		15			15	"					
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				17			17						
11	Louisville	Citizen's GL Co	1890	*	W		(200)				Lowe					
			1900	*	W		350			350	"					
			1910	*	W		600			600	"					
			1920	I												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				475			475						
12	Louisville	* G Co	1890	*	W		(200)				Lowe					
			1900	*	W		300			300	"					
			1910	*	W		575			575	"					
			1920	0												
			1930	*	CW		1,193			1,193						
			1940	*	W		1,498			1,498						
			1950	*	W		3,362			3,362						
			AVERAGES:				1,306			1,386						

(continued)

TABLE B-1 (continued)

STATE: KENTUCKY

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS********* Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13	Maysville	Citizen's GL Co	1890	*	C	(18)										
			1900	O												
			1910	*	C	12				12						
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:			12				12						
14	Mt Sterling	" GL Co	1890	*	O			(6)								
			1900	N												
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
15	Newport	" L Co	1890	*	C	20				20						
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			20				20						
16	Owensboro	" G Co	1890	*	C	10				10						
			1900	*	C	15				15						
			1910	*	C	30				30						
			1920	*	C	50				50						
			1930	*	C	45				45		2	35			
			1940	N												
			1950	N												
			AVERAGES:			30				30		2	35			

(continued)

TABLE B-1 (continued)

STATE: KENTUCKY

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
17	Paducah	* GL Co	1890	*	C	12				12						
			1900	*	C	20				20						
			1910	*	C	28				28						
			1920	*	C	52				52						
			1930	*	C	135				135						
			1940	*	C,W	25	107			132		1	73			
			1950	N												
			AVERAGES:			45	107			63		1	73			
18	Paris	G Co pf *	1890	*	C	4				4						
			1900	*	C	10				10						
			1910	*	C	12				12						
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:			9				9						
19	Richmond	* GL Co	1890	*	O			4		4						
			1900	*	O			6		6						
			1910	*	C	7				7						
			1920	*	C	8				8						
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:			8		5		6						
20	Shelbyville	* G Co	1890	*	C	4				4						
			1900	*	C	(4)										
			1910	*	C	(4)										
			1920	*	C	7				7						
			1930	*	C,W	4	151			155		1	7			
			1940	O												
			1950	O												
			AVERAGES:			5	151			55		1	7			

(continued)

TABLE B-1 (continued)

STATE: KENTUCKY

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
21	Maysville	* G Co	1890	*	C	(B)										
			1900	N												
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: LOUISIANA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/ PROCESS	*******BY-PRODUCTS*********				MISCELLANEOUS INFORMATION
						Coal	Water	Oil	Coke	Total		Coke	Tar	Ammonia	Other	
1	Baton Rouge	* Gas Works	1890	*	C	(12)										
			1900	*	C	6				6						
			1910	*	C	9				9						
			1920	*	C	40				40						
			1930	N												
			1940	-												
			1950	-												
			AVERAGES:			21				21						
2	New Orleans	Jefferson City GL Co	1890	*	C	16				16						
			1900	I												
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			16				16						
3	New Orleans	* GL Co	1890	*	W		175			175						
			1900	*	W		(275)									
			1910	*	W		750			750						
			1920	*	W		1,760			1,760			(310)			
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:				895			895						
4	Shreveport	* GEL & P Co	1890	c	C	(10)										
			1900	*	C	?										
			1910	O	-											
			1920	O	-											
			1930													
			1940													
			1950													
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: LOUISIANA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Jennings	Southern L & H Co	1890													
			1900													
			1910	*	O			(5)			Beal's					
			1920	*	O			9		9	*					
			1930	0												
			1940	0												
			1950	-												
			AVERAGES:					9		9						
6	Gretna	* GL & F Co	1890													
			1900													
			1910													
			1920	*	W		7				Tenney					Under construction
			1930	0												
			1940	0												
			1950	-												
			AVERAGES:													
7	Lake Charles	* G Co	1890													
			1900													
			1910													
			1920	*	W		(16)				Tenney					
			1930	*	CW		93			93	*					
			1940	0												
			1950	0												
			AVERAGES:				93			93						

(continued)

TABLE B-1 (continued)

STATE: MAINE

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS*********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Augusta	Kennebec L&Heat Co	1890	*	W		6			6	Lowe (G)					
			1900	*	W		30			30	"					
			1910	*	W		20			20	"					
			1920	*	W		36			36	"					
			1930	*	W		84			84	"		25			
			1940	*	W		?				"					
			1950	*	CW		12			12	"					
			AVERAGES:				31			31			25			
2	Bangor	" GL Co	1890	*	C	18				18						
			1900	D												
			1910	*	C	58				58						
			1920	*	C	74				74		(2)		(1)		
			1930	*	C	67				67		(2)	77			
			1940	*	C,W	117	15			132		(3)	89			
			1950	*	O			190		190			170			
			AVERAGES:			67	15	190		90			112			
3	Bath	" GL Co	1890	*	C	3				3						
			1900	*	C	6				6						
			1910	*	C	8				8						
			1920	*	W		16			16	Tenney					
			1930	*	W		11			11	"					
			1940	D												
			1950	D												
			AVERAGES:			6	14			9						
4	Belfast	" GL Co	1890	*	C	2				2						
			1900	N												
			1910	*	C	2				2						
			1920	*	C	2				2						
			1930	D												
			1940	D												
			1950	-												
			AVERAGES:			2				2						

(continued)

TABLE B-1 (continued)

STATE: MAINE

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Brunswick	* GL Co	1890	*	O			1		1						
			1900	N												
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:					1		1						
6	Calais	St Croix GL Co	1890	*	C	4				4						
			1900	*	C	5				5						
			1910	*	C	7				7						
			1920	*	C	8				8						
			1930	*	C	6				6		1	7			
			1940	O												
			1950	O												
			AVERAGES:			6				6		1	7			
7	Eastport	* G&E Co	1890	*	?					(6)						
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
8	Lewiston	* GL Co	1890	*	W		12			12	Lowe					
			1900	*	W		35			35	"					
			1910	*	W		53			53	"					
			1920	*	W		136			136	"					
			1930	*	CW		263			263	"		160			
			1940	*	CW		265			265	"					
			1950	*	CW		573			573	"					
			AVERAGES:				191			191			160			

(continued)

TABLE B-1 (continued)

STATE: MAINE

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Portland	* GL Co	1890	*	C	150				150						
			1900	*	C	100				100						
			1910	*	C,W	165				165	Lowe					
			1920	*	C,W	410	54			464	*					
			1930	*	C,W	610	1			611	*	27	647	25		
			1940	*	C,W	29	687			716	*	1	900			
			1950	*	CW		1,119			1,119	*		1,275			
			AVERAGES:			244	465			475		14	941	25		
10	Rockland	* &Thomaston GL Co	1890	*	C	4				4						
			1900	*	C	4				4						
			1910	*	C	12				12						
			1920	*	C	22				22		1	24			
			1930	D												
			1940	D												
			1950	-												
			AVERAGES:			11				11		1	24			
11	Saco&Biddleford	* GL Co	1890	*	C	12				12						
			1900	N												
			1910	N												
			1920	N												
			1930	N												
			1940	N												
			1950	N												
			AVERAGES:			12				12						
12	Biddleford	York L&H Co	1890													
			1900													
			1910	*	C	12				12						
			1920	*	C	25				25						
			1930	*	W		43			43						
			1940	*	CW		37			37						
			1950	*	CW		48			48						
			AVERAGES:			19	43			33						

(continued)

TABLE B-1 (continued)

STATE: MAINE

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13	Gardiner	Kennebec G&F Co	1890													
			1900													It is uncertain if this site ever manufactured gas .
			1910	P												
			1920	P												
			1930	0												
			1940	0												
			1950	-												
			AVERAGES:													
14	Waterville	Kennebec G&F Co	1890													
			1900													
			1910													
			1920	*	W		16			16	Tenney					
			1930	*	W		33			33	" & Western					
			1940	0												
			1950	0												
			AVERAGES:				26			26						
15	Westbrook	" G Co	1890													
			1900													
			1910													It is uncertain if this site ever manufactured gas
			1920	P												
			1930	P												
			1940	P												
			1950	0												
			AVERAGES:													
16	Peak Island	Casco Bay L&W Co	1890													
			1900													
			1910													
			1920													
			1930													
			1940	*	C	975				975						
			1950	0												
			AVERAGES:			975				975						

(continued)

TABLE B-1 (continued)

STATE: MARYLAND

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	******BY-PRODUCTS******				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Annapolis	* GL Co	1890	*	C	?										
			1900	*	C	9				9						
			1910	*	C	10				10						
			1920	*	C	34				34						
			1930	P												
			1940	O												
			1950	O												
			AVERAGES:			18				18						
2	Baltimore	The Consolidated G Co of	1890	*	W		?				Lowe (J & W)					
			1900	*	W		1,350			1,350	"					
			1910	*	W		2,060			2,060	Lowe					
			1920	*	W		7,420			7,420	"					
			1930	*	CW		12,500			12,500	"					
			1940	*	CW,Coke		12,694			12,694	"					Unknown quantity of coke gas purchased in 1940 & 1950
			1950	*	W,O,Coke		?	?	?	20,070	"					
			AVERAGES:				7,365			9,402						
3	Cumberland	* GL Co	1890	*	C	12				12						
			1900	*	C	19				19						
			1910	*	C	20				20						
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:			17				17						
4	Cambridge	* G Co	1890	*	C	(4)										
			1900	*	C	(4)										
			1910	*	C	20				20						
			1920	*	C	15				15						
			1930	*	C	20				20		1	19			
			1940	*	C	22				22						
			1950	N												
			AVERAGES:			19				19		1	19			

(continued)

TABLE B-1 (continued)

STATE: MARYLAND

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Easton	* G&EL Co	1890	*	C	1				1						
			1900	D												
			1910	*	W		6			6						
			1920	D												
			1930	C												
			1940	*	W		17			17						
			1950	*	W		34			34						
			AVERAGES:			1	19			15						
6	Elkton	* GL Works	1890	*	C	(3)										
			1900	*	C	2				2						
			1910	*	C	3				3						
			1920	*	C	4				4						
			1930	*	C	2				2						
			1940	P												
			1950	P												
			AVERAGES:			3				3						
7	Frederick City	The American L&Heat Co	1890	*	W		(10)				Lowe					
			1900	*	W		6			5	"					
			1910	*	W		16			16	"					
			1920	*	W		29			29	"					
			1930	*	W		54			54	"		15			
			1940	*	O			46		46	"		20			
			1950	*	CW		57			57	"		27			
			AVERAGES:				32	46		35			21			
8	Frostburg	* GL Co	1890	*	C	(5)										
			1900	*	C	4				4						
			1910	*	O			4		4	Paul					
			1920	D												
			1930	D												
			1940	-												
			1950	-												
			AVERAGES:			4		4		4						

(continued)

TABLE B-1 (continued)

STATE: MARYLAND

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Hagerstown	The American L&H Co Ltd	1890	*	W		5			5	Lowe					
			1900	*	W		24			24	"					
			1910	*	W		36			36	"					
			1920	*	W		116			116	"					
			1930	*	W		155			155	"		83			
			1940	*	W		140			140	"		36			
			1950	N												
			AVERAGES:				79			79			60			
10	Westminster	GL Co	1890	*	C	2				2						
			1900	*	C	3				3						
			1910	*	C	7				7						
			1920	*	C	8				8						
			1930	*	CW		(4)									
			1940	O												
			1950	O												
			AVERAGES:			5				5						
11	Havre de Grace	* G Co	1890													
			1900													
			1910	*	W		(5)				Lowe					
			1920	*	W		6			6	"					
			1930	*	CW		18			18	"					
			1940	O												
			1950	O												
			AVERAGES:				12			12						
12	Hyattsville	* G&E Co	1890													
			1900													
			1910	*	C	18				18						
			1920	*	C	40				40						
			1930	*	CW		42			42						
			1940	*	W		201			201						
			1950	N												
			AVERAGES:			29	122			75						

(continued)

TABLE B-1 (continued)

STATE: MARYLAND

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
						Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13	Salisbury	Home G Co of *	1890													
			1900													
			1910	*	W		11			11	Lowe					
			1920	*	W		29			29	"					
			1930	*	W		83			83	"		2			
			1940	*	W		146			146	"					
			1950	*	W		169			169	"					
			AVERAGES:				88			88			2			
14	Sparrows Point	Maryland Steel Co	1890													
			1900													
			1910	*	Coke				1,000	1,000	Otto-Hoff.					
			1920	N												
			1930	N												
			1940	N												
			1950	N												
			AVERAGES:						1,000	1,000						
15	Chestertown	* G Co	1890													
			1900													
			1910													
			1920	*	W		5			5	Lowe					
			1930	*	CW		9			9	"					
			1940	*	CW		12			12	"					
			1950	O												
			AVERAGES:				9			9						
16	Crisfield	* L&P Co	1890													
			1900													
			1910													
			1920	*	W		13			13						
			1930	*	CW		21			21						
			1940	*	CW		17			17						
			1950	O												
			AVERAGES:				17			17						

(continued)

TABLE B-1 (continued)

STATE: MASSACHUSETTS

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS********* Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Adams	* GL Co	1890	*	C	6				6						
			1900	*	W		6			6	Lowe					
			1910	P												
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:			6	6			6						
2	Amesbury	* G Co	1890	*	W		5			5	Lowe (Gray)					
			1900	*	W		6			6	Lowe (G)					
			1910	*	W		10			10	"					
			1920	*	W		20			20	"		20			
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:				10			10			20			
3	Amherst	* G Co	1890	*	O			1		1						
			1900	*	O			1		1	Patton					
			1910	*	O			1		1	"					
			1920	*	W		15			15	Lowe		(1)			
			1930	*	W		28			28	"		12			
			1940	O												
			1950	O												
			AVERAGES:				22	1		9			12			
4	Arlington	* G Co	1890	*	C	500				500						
			1900	*	C	11				11						
			1910	*	C,W	2	22			24						
			1920	*	W		211			211						
			1930	*	W		700			700						
			1940	P												
			1950	O												
			AVERAGES:			171	311			289						

(continued)

TABLE B-1 (continued)

STATE: MASSACHUSETTS

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/ PROCESS	*******BY-PRODUCTS********				MISCELLANEOUS INFORMATION
						Coal	Water	Oil	Coke	Total		Coke	Tar	Ammonia	Other	
5	Athol	Miller's River GL Co	1890	*	W		3			3						
			1900	*	W		5			5						
			1910	*	W		8			8						
			1920	*	W		17			17						
			1930	*	W		(16)									
			1940	*	W		7									
			1950	*	CW		30			30						
			AVERAGES:				14			14						
6	Attleboro	" CL Co	1890	*	C	7				7						
			1900	*	C	16				16						
			1910	*	C	43				43						
			1920	*	C	92				92						
			1930	P												
			1940	P												
			1950	P												
			AVERAGES:			40				40						
7	Beverly	" CL Co	1890	*	C	5				5						
			1900	*	C	12				12						
			1910	*	C	50				50						
			1920	*	C,W	52	76			128						
			1930	P												
			1940	P												
			1950	P												
			AVERAGES:			30	76			49						
8	Boston	The Bay State G Co	1890	*	W		25			25	Lowe (F)					
			1900	*	W		1,000			1,000	"					Cons. w/Boston Cons.G Co
			1910	C												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				513			513						

(continued)

TABLE B-1 (continued)

STATE: MASSACHUSETTS

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
						Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Boston	* GL Co	1890	*	C	1,300				1,300						
			1900	*	C	1,100				1,100						
			1910	*	W		4,000			4,000	Lowe (J)					*Boston Cons. Gas Co.*
			1920	*	W		7,900			7,900	*					
			1930	*	W		4,270			4,270	*		2,566			
			1940	*	W		756			756	*		1,260			Standby plant
			1950	*	W		4,400			4,400	*		2,966		1,373 tons of sulfur	
			AVERAGES:			1,200	4,425			3,504			2,264			
10	Boston	Charleston G Co	1890	*	W		88			88	Lowe (G)					
			1900	*	W		140			140	*					
			1910	*	W		230			230	*					
			1920	*	W		309			309	*	21	430	172		
			1930	*	W		440			440	*	23	497	144		
			1940	D												
			1950	D												
			AVERAGES:				257			257		22	463	158		
11	Boston	Dorchester GL Co	1890	*	C	65				65						
			1900	*	C	220				220						
			1910	C												Cons. w/Boston Cons.G Co
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			143				143						
12	Boston	East Boston G Co	1890	*	C	39				39						
			1900	*	C	56				56						
			1910	*	C,W	98	62			160						
			1920	P												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			64	62			85						

(continued)

TABLE B-1 (continued)

STATE: MASSACHUSETTS

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13	Boston	Jamaica Plain GL Co	1890	*	C	40				40						
			1900	*	C	100				100						
			1910	C												Cons. w/Boston Cons.G Co
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			70				70						
14	Boston	Roxbury GL Co	1890	*	C	175				175						
			1900	*	C	230				230						
			1910	C												Cons. w/Boston Cons.G Co
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			203				203						
15	Boston	S Boston GL Co	1890	*	C	(70)										
			1900	*	C	114				114						
			1910	C												Cons. w/Boston Cons.G Co
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			114				114						
16	Brockton	" GL Co	1890	*	C	15				15						
			1900	*	C	40				40						
			1910	*	C,W	72	104			176	Lowe					
			1920	*	C,W	202	303			505	"					
			1930	*	C,W	404	401			805	"	17	750	84		
			1940	*	C,W	478	244			722	"	18	610	26		
			1950	*	C,W	403	990			1,393	"	19	1,105			
			AVERAGES:			231	408			522		18	854	55		

(continued)

TABLE B-1 (continued)

STATE: MASSACHUSETTS

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS********* Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
17 Brookline	* GL Co	1890	*	C	60				60						
		1900	*	C	700				700						Cons. w/Boston Cons.G Co
		1910	C												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			380				380						
18 Cambridge	* GL Co	1890	*	C	120				120						
		1900	*	C	280				280						
		1910	*	C,W	630				630	Lowe					
		1920	*	C,W	802	313			1,115	*	(31)	870			
		1930	*	C,W	1,432	102			1,534	*	90	1,685		486	
		1940	*	C	1,503				1,503			1,956			
		1950	*	O			2,429		2,429			3,348			
		AVERAGES:			795	208	2,429		1,087		90	1,945		486	
19 Chelsea	* GL Co	1890	*	C	35				35						
		1900	*	C	38				38						Cons. w/Boston Cons.G Co
		1910	C												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			37				37						
20 Chicopee	* Gas Works	1890	*	C	6				6						
		1900	*	C	15				15						
		1910	P												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			11				11						

(continued)

TABLE B-1 (continued)

STATE: MASSACHUSETTS

					GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO. CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
21 Clinton	* GL Co	1890	*	C	7				7						
		1900	*	C	12				12						
		1910	*	W		18			18	Lowe					
		1920	*	W		32			32	"					
		1930	*	W		49			49	"					
		1940	P												
		1950	P												
		AVERAGES:			10	33			24						
22 Cottage City	* G&EL Co	1890	*	O			7			Loomis					
		1900	*	O			3		3	"					
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:					3		3						
23 Danvers	* GL Co	1890	*	C	2				2						
		1900	*	C	3				3						
		1910	P												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			3				3						
24 Dedham	*&Hyde Park G&E Co	1890	*	C	8				8						
		1900	*	C	10				10						
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			9				9						

(continued)

TABLE B-1 (continued)

STATE: MASSACHUSETTS

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
25	East Hampton	* G Co	1890	*	C	4				4						
			1900	*	C	4				4						
			1910	*	C	12				12						
			1920	*	C	23				23						
			1930	P												
			1940	0												
			1950	-												
			AVERAGES:			11				11						
26	Fall River	* Gas Works Co	1890	*	C,W	54				54	Lowe					
			1900	*	C,W	158				158	*					
			1910	*	C,W	490				490	*					
			1920	*	C,W	792				792	*	(20)	(80)	(7)		
			1930	*	C,W	638	291			929	*	24	915	171		12,000 gallons light oil
			1940	*	C,W	715	240			955	*	28	1,000			
			1950	*	CW		426			426	*		109			
			AVERAGES:			475	319			543		26	675	171		
27	Fall River	Manufacturers GL Co	1890	*	C	14				14						
			1900	I												
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			14				14						
28	Fitchburg	* G Co	1890	*	C	17				17						
			1900	*	C	25				25						
			1910	*	C,W	53	22			75	Lowe					
			1920	*	C,W	94	112			206	*					
			1930	*	C,W	196	55			251	*	(3)		(2)		
			1940	*	C,W	161	118			279	*	9	236			
			1950	*	C,W	319	129			448	*	6	152			
			AVERAGES:			124	87			186		12	336			

(continued)

TABLE B-1 (continued)

STATE: MASSACHUSETTS

NO. CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
29 Gardner	* GL Co	1890	*	C	1				1						
		1900	*	C	2				2						
		1910	*	W		8			8						
		1920	*	W		25			25						
		1930	*	CW		44			44						
		1940	*	CW		24			24			16			
		1950	N												
		AVERAGES:			2	25			17			16			
30 Gloucester	* GL Co	1890	*	C	1				1						
		1900	*	C	30				30						
		1910	*	C	60				60						
		1920	*	C	96				96						
		1930	*	W		138			138			57			
		1940	*	CW		119			119			46			
		1950	*	CW		172			172			62			
		AVERAGES:			47	143			88			55			
31 Great Barrington	* GL Co	1890	*	W		1			1	Hanlon					
		1900	X												
		1910	-												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:				1			1						
32 Greenfield	* GL Co	1890	*	C	4				4						
		1900	*	C	4				4						
		1910	*	W		15			15						
		1920	*	W		70			70						
		1930	*	CW		102			102			30			
		1940	*	CW		114			114			46			
		1950	*	CW		151			151			76			
		AVERAGES:			4	90			66			51			

(continued)

TABLE B-1 (continued)

STATE: MASSACHUSETTS

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
33	Haverhill	* GL Co	1890	*	C,W	45				45						
			1900	*	C,W	113				113						
			1910	*	C,W	188				188						
			1920	*	C,W	418	163			581	UG					
			1930	*	CW		668			668	"		464			
			1940	*	CW		623			623	"		374			
			1950	*	CW		835			835	"		613			
			AVERAGES:			191	572			436			484			
34	Holyoke	* Gas Works	1890	*	C,W	50				50						
			1900	*	C,W	77				77						
			1910	*	C,W	102	68			170	Lowe					
			1920	*	C,W	153	124			277	"					
			1930	*	W		351			351	"	18	193			
			1940	*	CW		289			289	"					
			1950	*	CW		388			388	"					
			AVERAGES:			96	244			229		18	193			
35	Ipswich	* GL Co	1890	*	W		(5)				Hanlon					
			1900	*	O			3		3	Kendall					
			1910	*	O			4		4	"					
			1920	*	O			4		4	"					
			1930	*	O			(20)			"					
			1940	P												
			1950	-												
			AVERAGES:					4		4						
36	Lawrence	* G Co	1890	*	C,W	80				80	Lowe					
			1900	*	C,W	150				150	"					
			1910	*	C,W	400				400	"					
			1920	*	C,W	416	259			675	"					
			1930	*	C,W	558	212			770	"	37	582		941	
			1940	*	C,W	250	437			687	"	12	800			
			1950	O												
			AVERAGES:			309	303			460		25			941	

(continued)

TABLE B-1 (continued)

STATE: MASSACHUSETTS

NO. CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS********* Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
37 Lee	* G Co	1890	*	W		7				G-G					
		1900	O												
		1910	O												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:													
38 Leominster	* GL Co	1890	*	W		2			2	H-L					
		1900	*	W		3			3						
		1910	*	W		21			21	Lowe					
		1920	*	W		67			67	"					
		1930	*	W		101			101	"		34			
		1940	*	CW		73			73	"		37			
		1950	*	CW		122			122	"		58			
		AVERAGES:				56			56			43			
39 Lexington	* GL Co	1890	*	W		1			1						
		1900	*	W		1			1						
		1910	*	W		1			1						
		1920	P												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:				1			1						
40 Lowell	* GL Co	1890	*	C,W	210				210						
		1900	*	C,W	330				330						
		1910	*	C,W	392	130			522						
		1920	*	C,W	600	233			833						
		1930	*	C,W	710	80			790		(14)	683	250		
		1940	*	C	721				721		(10)	640	131		
		1950	*	C,W	628	379			1,007		35	779			
		AVERAGES:			513	206			630		35	701	191		

(continued)

TABLE B-1 (continued)

STATE: MASSACHUSETTS

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
41 Lynn	* G&E Co	1890	*	C,W	63				63	Lowe (G)					
		1900	*	C,W	185				185	*					
		1910	*	C,W	525				525	*					
		1920	*	C,W	900				900	*					
		1930	*	C,CW	767	601			1,368	*	(2)	875	238		
		1940	*	W,Coke		454		697	1,151	*	(14)	683	250		
		1950	*	W,Coke		1,400		270	1,678	*	12	1,535			
		AVERAGES:			504	821		484	850		12	1,031	244		
42 Malden	*&Melrose GL Co	1890	*	C	32				32						
		1900	*	C	75				75						
		1910	*	C,W	309				309	Lowe					
		1920	*	C,W	263	874			1,137	*					
		1930	*	C,W	818	1,067			1,885	*	33	1,663	755		
		1940	*	C,CW	663	1,056			1,719	*	(16)	2,130	183		
		1950	*	C,CW	632	1,906			2,538	*	25	2,734			
		AVERAGES:			399	1,226			1,099		29	2,176	469		
43 Marblehead	* B&EL Co	1890	*	C	3				3						
		1900	*	C	11				11						
		1910	*	C	5				5						
		1920	D												
		1930	D												
		1940	-												
		1950	-												
		AVERAGES:			6				6						
44 Marlborough	* GL Co	1890	*	C	5				5						
		1900	*	C	8				8						
		1910	*	C	34				34						
		1920	P												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			16				16						

(continued)

TABLE B-1 (continued)

STATE: MASSACHUSETTS

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
45	Mansfield	* G&EL Co	1890	*	?					?						
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
46	Methuen	* GL Co	1890	*	O			?								
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
47	Middleboro	* G&EL Co	1890	*	O			1		1	Patton					
			1900	*	O			2		2	"					
			1910	*	O			1		1	"					
			1920	*	W		10			10						
			1930	P												
			1940	P												
			1950	-												
			AVERAGES:				10	1		4						
48	Milford	* G Co	1890	*	C	9				9						
			1900	*	C	11				11						
			1910	*	C	15				15		*				
			1920	*	C	22				22		(1)	8			
			1930	*	C,O	19			17	36		1	19			
			1940	P												
			1950	P												
			AVERAGES:			15			17	19		1	14			

(continued)

TABLE B-1 (continued)

STATE: MASSACHUSETTS

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
49 Monson	* GAE Co	1890	*	?					?						
		1900	O												
		1910	O												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:													
50 Nantucket	* GL Co	1890	*	C	2				2						
		1900	*	C	2				2						
		1910	*	C	4				4						
		1920	*	C	9				9		(0)	8			
		1930	*	?	?										
		1940	*	CW	43				43						
		1950	*	CW	81				81			61			
		AVERAGES:			24				24			35			
51 Natick	* GL Co	1890	*	C	4				4						
		1900	*	C	5				5						
		1910	*	C	15				15						
		1920	P												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			8				8						
52 New Bedford	* GL Co	1890	*	C	50				50						
		1900	*	C	80				80						
		1910	*	C,W	117	226			343	Lowe					
		1920	*	C,W	86	728			814	*					
		1930	*	CW		1,079			1,079	*		1,320			
		1940	*	CW		1,003			1,003	*					
		1950	D												
		AVERAGES:			83	759			561			1,320			

(continued)

TABLE B-1 (continued)

STATE: MASSACHUSETTS

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
53	Newbury port	* G&E Co	1890	*	C	10				10						
			1900	*	C	14				14						
			1910	*	C	31				31						
			1920	*	C	50				50						
			1930	S												
			1940	D												
			1950	-												
			AVERAGES:			26				26						
54	Newton & Watertown	* GL Co	1890	*	C	50				50						
			1900	*	C	103				103						
			1910	P												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			77				77						
55	North Adams	* GL Co	1890	*	C	20				20						
			1900	*	C	51				51						
			1910	*	C	73				73						
			1920	*	W		150			150	Lowe					
			1930	*	W		225			225	"		103			
			1940	*	W		203			203	"					
			1950	*	W		299			299	"		148			
			AVERAGES:			48	219			146			126			
56	Northampton	* GL Co	1890	*	C	12				12						
			1900	*	C	25				25						
			1910	*	C,W	35	15			50						
			1920	*	C,W	38	68			106						
			1930	*	W		197			197			165			
			1940	*	CW		168			168			82			
			1950	*	CW		253			253			172			
			AVERAGES:			28	140			116			140			

(continued)

TABLE B-1 (continued)

STATE: MASSACHUSETTS

						GAS PRODUCTION RATE (MM cu.ft./YR):					GASIFIER/	*******BY-PRODUCTS*********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
57	North Attleboro	* GL Co	1890	*	C	11				11						
			1900	*	C	16				16						
			1910	*	C	33				33						
			1920	*	C	45				45						
			1930	P												
			1940	P												
			1950	P												
			AVERAGES:			26				26						
58	Norwood	* GL Co	1890	*	C	ERROR				ERROR						
			1900	*	C	7				7						
			1910	*	C	14				14						
			1920	P												
			1930	P												
			1940	P												
			1950	D												
			AVERAGES:			ERROR				ERROR						
59	Pittsfield	* Coal Gas Co	1890	*	C	15				15						
			1900	*	C	21				21						
			1910	*	C,W	55	55			110	Lowe					
			1920	*	C,W	60	240			300	*		260			
			1930	*	W		441			441	*		233			
			1940	*	CW		412			412	*		339			
			1950	*	CW		635			635	*					
			AVERAGES:			38	357			276						
60	Pittsfield	Union Gas Works	1890	*	C	?										
			1900	D												
			1910	D												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: MASSACHUSETTS

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
61	Plymouth	" GL Co	1890	*	C	4				4						
			1900	*	C	6				6						
			1910	*	C	10				10						
			1920	*	C	29				29		(1)	33			
			1930	P												
			1940	P												
			1950	-												
			AVERAGES:			12				12			33			
62	Quincy	Citizen's GL Co	1890	*	C	8				8						
			1900	*	C	7				7						
			1910	P												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			8				8						
63	Salem	" GL Co	1890	*	C,W	40				40						
			1900	*	C,W	56				56						
			1910	*	C,W	135				135						
			1920	*	C,W	96	181			277		7	140	28		
			1930	*	C,W	229	335			564		(9)	400	24		
			1940	*	C,W	379	229			608		(4)	610			
			1950	*	C,W	105	926			1,031		6	1,200			
			AVERAGES:			149	418			387		7				
64	Southbridge	Mutual GL Co	1890	*	O			1		1	Lowe					
			1900	*	O			3		3	"					
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:					2		2						

(continued)

TABLE B-1 (continued)

STATE: MASSACHUSETTS

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
65	South Framingham	* G Fuel&P Co	1890	*	W		7				Loomis					Under construction
			1900	*	W		8			8	*					
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				8			8						
66	Spencer	* G Co	1890	*	W		10			10	Evans					
			1900	*	W		7			7	*					
			1910	*	W		19			19	Lowe					
			1920	*	W		27			27	*					
			1930	*	W		34			34	*					
			1940	*	CW		20			20	*		12			
			1950	*	CW		21			21	*		20			
			AVERAGES:				20			20			16			
67	Springfield	* GL Co	1890	*	C,W	82				82	Lowe					
			1900	*	C,W	160				160	*					
			1910	*	C,W	450				450	*					
			1920	*	C,W	534	720		1,254	2,508	*	(25)	1,100	8		
			1930	*	C,W	1,210	808			2,018	*	(-)	1,573	65		
			1940	*	C,W	1,495	138			1,633	*					
			1950	*	C,W	1,466	1,658			3,124	*					
			AVERAGES:			771	831		1,254	1,425			1,337	37		
68	Stoughton	* L&P Co	1890	*	O			(5)								Petroleum feed (naphtha)
			1900	*	O			1		1						
			1910	*	O			1		1						
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:					1		1						

(continued)

TABLE B-1 (continued)

STATE: MASSACHUSETTS

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar		
69 Taughton	* GL Co	1890	*	C	30				30					Under construction
		1900	*	C	50				50					
		1910	*	C	90				90					
		1920	*	C,W	217	25			242		7	300	30	
		1930	*	C,W	7									
		1940	*	C,W	347	218			565		17	749		
		1950	*	C,W	342	502			844		12	525	30	
		AVERAGES:			181	248			385					
70 So.Reading/Stoneham	Citizen's GL Co of *	1890	*	C	5				5			-		
		1900	P											
		1910	-											
		1920	-											
		1930	-											
		1940	-											
		1950	-											
		AVERAGES:			5				5					
71 Waltham	* GL Co	1890	*	C	26				26					
		1900	*	C	38				38					Cons. w/Boston Cons.G Co
		1910	C											
		1920	-											
		1930	-											
		1940	-											
		1950	-											
		AVERAGES:			32				32					
72 Ware	* GL Co	1890	*	C	5				5					
		1900	*	C	5				5					
		1910	*	C	14				14					
		1920	*	C	18				18					
		1930	*	C	19				19		1	20		
		1940	N											
		1950	N											
		AVERAGES:			12				12		1	20		

(continued)

TABLE B-1 (continued)

STATE: MASSACHUSETTS

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cc.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS********* Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
73 Webster	* E Co	1890	*	C	2				2						
		1900	*	W		3			3	Lowe					
		1910	*	W		26			26	*					
		1920	*	W		85			85	*					
		1930	*	W		149			149	*					
		1940	*	CW		148			148	*					
		1950	*	CW		250			250	*		123			
		AVERAGES:			2	110			95			123			
74 Westfield	* GL Co	1890	*	C,W	7				7						
		1900	*	C,W	11				11						
		1910	*	C,W	29				29						
		1920	*	C,W	59				59						
		1930	*	C,W	61	43			104		4	92			
		1940	*	C,W	31	59			90		(1.3)	49			
		1950	*	C,W	41	134			175		2	68			
		AVERAGES:			34	79			68		3	70			
75 West Springfield	* G Co	1890	*	?					?						Under construction
		1900	O												
		1910	O												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:													
76 Williamstown	* G Co	1890	*	O			(4)								
		1900	*	O			2		2						
		1910	P												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:					2		2						

(continued)

TABLE B-1 (continued)

STATE: MASSACHUSETTS

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
77	Woburn	* GL Co	1890	*	C	8				8						
			1900	*	C	12				12						
			1910	*	C	15				15						
			1920	*	C	25				25						
			1930	P												
			1940	P												
			1950	-												
			AVERAGES:			15				15						
78	Worcester	* GL Co	1890	*	C,W	112				112	Lowe					
			1900	*	C,W	250				250	"					
			1910	*	C,W	350	240			600	"					
			1920	*	C,W	674	409			1,083	"	(40)	1,050			
			1930	*	CW		1,554			1,554	"		460			
			1940	*	CW		2,142			2,142	"		3,070			
			1950	*	CW		4,813			4,813	"		4,506			
			AVERAGES:			349	1,832			1,508			2,292			
79	Boston (Everett)	New England G&Coke Co	1890													
			1900	*	Coke				10	10	Otto-Hoff.					Plant located at Everett,MA
			1910	*	Coke				7	7	"					
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:						9	9						
80	Stoneham	People's Gas&E Co	1890													
			1900	*	O			3		3	Kendall					
			1910	*	O			5		5	"					
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:					4		4						

(continued)

TABLE B-1 (continued)

STATE: MASSACHUSETTS

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
81	Wakefield	* Muncipal L Plant	1890													
			1900	*	C	8				8						
			1910	*	C,W	34	16			50						
			1920	O												
			1930	P												
			1940	P												
			1950	O												
			AVERAGES:			21	16			29						
82	Ware	* GL Co	1890													
			1900	*	C	5				5						
			1910	*	C	18				18						
			1920	*	C	?										
			1930	*	C	?										
			1940	*	C	18				18		1	19			
			1950	O												
			AVERAGES:			14				14		1	19			
83	Framingham	* GF&P Co	1890													
			1900													
			1910	*	C,Coke	19				19						
			1920	*	C,Coke	114				114						
			1930	*	Coke				580	580						
			1940	O												
			1950	O												
			AVERAGES:			67			580	238						
84	Hyde Park	* GL Co	1890													
			1900													
			1910	*	C	?										
			1920	*	C	130				130						
			1930	P												
			1940	P												
			1950	O												
			AVERAGES:			130				130						

(continued)

TABLE B-1 (continued)

STATE: MASSACHUSETTS

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	BY-PRODUCTS Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
85	Oaks Bluff	Vineyard L Co	1890													
			1900													
			1910	*	W			3		3	Lowe					
			1920	D												
			1930	D												
			1940	-												
			1950	-												
			AVERAGES:					3		3						
86	Revere	Suburban	1890													
			1900													It is uncertain if this site
			1910	P												ever manufactured gas
			1920	P												
			1930	P												
			1940	P												
			1950	P												
			AVERAGES:													
87	Warren	Worcester County G Co	1890													
			1900													It is uncertain if this site
			1910	P												ever manufactured gas
			1920	D												
			1930	D												
			1940	-												
			1950	-												
			AVERAGES:													
88	Braintree	Old Colony G Co	1890													
			1900													
			1910													
			1920	*	W		118			118	Lowe		44			
			1930	*	W		324			324	"					
			1940	P												
			1950	D												
			AVERAGES:				221			221			44			

(continued)

TABLE B-1 (continued)

STATE: MASSACHUSETTS

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
89	Palmer	* Cl. Co	1890													
			1900													
			1910													
			1920													
			1930	*	W		15			15			17			
			1940	0												
			1950	D												
			AVERAGES:				15			15			17			

(continued)

TABLE B-1 (continued)

STATE: MICHIGAN

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Adrian	* G Co	1890	*	C	(10)										
			1900	*	C,W	12				12						
			1910	*	C,W	42	3			45	Low					
			1920	*	C	81				81						
			1930	*	C	120				120		7	100			
			1940	N												
			1950	N												
			AVERAGES:			64	3			64		7	100			
2	Alpena	* G Co	1890	*	C	5				5						
			1900	*	C	4				4						
			1910	*	C	15				15						
			1920	*	C	17				17		1	16			
			1930	*	C	35				35		2	43			
			1940	*	C	37				37		(0.3)	40			
			1950	N												
			AVERAGES:			19				19		2	33			
3	Ann Arbor	* G Co	1890	*	C	11				11						
			1900	*	C,W	35				35	Low					
			1910	*	C,W	128	7			135	"					
			1920	*	C,W	236	3			239	"	4	40	(0)		
			1930	*	C,W	247	185			432	"	(2)	253	62		
			1940	N												
			1950	N												
			AVERAGES:			131	65			170		4	147	62		
4	Battle Creek	* GL Co	1890	*	C	8				8						
			1900	*	C	18				18						
			1910	*	C,W	139	46			185	Low					
			1920	*	C,W	440	97			537	"	10	13	(0)		
			1930	*	C,W	933	370			1,303	"	(15)	975	390		
			1940	*	W,Coke		69		731	800	"					
			1950	N												
			AVERAGES:			308	146		731	475		10	494	390		

(continued)

TABLE B-1 (continued)

STATE: MICHIGAN

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Bay City	* GL Co	1890	*	C	15				15						
			1900	*	C	19				19						
			1910	*	C	86				86						
			1920	C												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			40				40	*					
6	Big Rapids	* Gas Works	1890	*	O			(6)			Patton					
			1900	*	O			5		5	*					
			1910	*	O			6		6	*					
			1920	*	O			10		10	*					
			1930	*	C	16				16						
			1940	N												
			1950	N												
			AVERAGES:			16		7		9						
7	Charlotte	G Co	1890	*	O			(5)			Patton					
			1900	*	O			3		3	*					
			1910	*	C,W	14				14						
			1920	*	C,W	43				43						
			1930	C												
			1940	-												
			1950	-												
			AVERAGES:			29		3		20						
8	Coldwater	* GL Co	1890	*	C	3				3						
			1900	*	C	12				12						
			1910	*	C	30				30						
			1920	*	C	35				35		(1)				
			1930	*	C	54				54		3	61			
			1940	*	C	42				42		2	46			
			1950	N												
			AVERAGES:			29				29		3	54			

(continued)

TABLE B-1 (continued)

STATE: MICHIGAN

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Detroit	* GL Co	1890	*	C,W	120				120	Lowe					
			1900	*	C,W	500				500	"					
			1910	*	C,W,Coke	950	720		1,250	3,000	"					
			1920	*	C,W,Coke	3,630	2,640		4,730	11,000	"					
			1930	*	C,CW,O	2,560	10,500	3		13,159	"					
			1940	*	CW		514			514	Steere		174			
			1950	*	CW		856			856	"		455			
			AVERAGES:			1,552	3,064	3	3,010	4,164			315			
10	Detroit	Mutual G Co	1890	*	C	125				125						
			1900	0												
			1910	0												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			125				125						
11	East Saginaw	* G Co	1890	*	C	31				31						
			1900	*	C	40				40						
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			36				36						
12	Flint	City of Flint G Co	1890	*	W		9			9	H-L					
			1900	*	W		13			13	"					
			1910	*	W		124			124	"					
			1920	P												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				49			49						

(continued)

TABLE B-1 (continued)

STATE: MICHIGAN

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS********* Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13	Grand Haven	* G Co	1890	*	C	(7)										
			1900	O												
			1910	*	C	16				16						
			1920	*	C	47				47		1	7			
			1930	*	C	75				75		4	84			
			1940	*	C,O	55		3		58		3	78			
			1950	N												
			AVERAGES:			48		3		49		3	56			
14	Grand Rapids	* FG & Incandescent L Co	1890	*	C	(80)					Evans (Fahnehjelm)					
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
15	Grand Rapids	* GL Co	1890	*	C	100				100						
			1900	*	C,W	250				250	Lowe					
			1910	*	C,W	840				840	"					
			1920	*	C,W	1,200				1,200	"					
			1930	*	C,W	1,512	362			1,874	"	(36)	1,595	292		
			1940	N												
			1950	N												
			AVERAGES:			790	362			871			1,595	292		
16	Greenville	* G Works	1890	*	C	(5)										
			1900	*	C	4				4						
			1910	*	C	10				10						
			1920	O												
			1930	*	C	21				21		(-)	16			
			1940	N												
			1950	N												
			AVERAGES:			12				12			16			

(continued)

TABLE B-1 (continued)

STATE: MICHIGAN

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu. ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	BY-PRODUCTS Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
17 Hillsdale	* G Co	1890	*	C	7				7						
		1900	*	C	7				7						
		1910	*	C	22				22						
		1920	*	C	32				32						
		1930	*	C	28				28		(0.2)	28			
		1940	*	C,O	37		2		39		2	37			
		1950	N												
		AVERAGES:			22		2		23		2	33			
18 Ionia	* GL Coke Co	1890	*	C	5				5						
		1900	*	C	12				12						
		1910	*	C	21				21						
		1920	*	C	37				37						
		1930	*	C	48				48		3	47			
		1940	O												
		1950	O												
		AVERAGES:			25				25		3	47			
19 Jackson	* GL Co	1890	*	C	(25)										
		1900	*	C	45				45						
		1910	*	C,W	185				185	Lowe					
		1920	*	C,W	1,400	600			2,000	"					
		1930	*	C,W	575	265			840	"	(5)	(72)	(-)		
		1940	*	Coke				586	586		(-)	656	210		
		1950	N												
		AVERAGES:			551	433		586	731			656	210		
20 Jackson	National GL F Co	1890	*	C	100				100	Evans					
		1900	O												
		1910	O												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			100				100						

(continued)

TABLE B-1 (continued)

STATE; MICHIGAN

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/ PROCESS	*******BY-PRODUCTS********				MISCELLANEOUS INFORMATION
					Coal	Water	Oil	Coke	Total		Coke	Tar	Ammonia	Other	
21 Kalamazoo	* GL Co	1890	*	C	(22)										
		1900	*	C	40				40						
		1910	*	C	230				230						
		1920	C												Cons. w/ Jackson
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			135				135						
22 Lansing	* GL Co	1890	*	C,W	12				12	Lowe (5)					
		1900	*	C,W	33				33	*					
		1910	*	C,W	119	51			170	*					
		1920	*	C,W	348	166			514	*	(0)	(-)	(9)		
		1930	*	C,W	833	337			1,170	*	47	947	199		
		1940	N												
		1950	N												
		AVERAGES:			269	185			380		47	947	199		
23 Luddington	* GL Co	1890	*	C	(6)										
		1900	0												
		1910	*	C	10				10						
		1920	*	C	22				22		1	26			
		1930	*	C	47				47		2	61			
		1940	*	C	42				42		(0.4)	41			
		1950	N												
		AVERAGES:			30				30		2	43			
24 Manistee	* GL&Coke Co	1890	*	C	(20)										
		1900	*	C	5				5						
		1910	*	C,W	11				11	Lowe					
		1920	*	C,W	30				30	*					
		1930	*	CW		32			32	*					
		1940	*	CW		39			39	*					
		1950	N												
		AVERAGES:			15	36			23						

(continued)

TABLE B-1 (continued)

STATE: MICHIGAN

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
25 Marquette	* GL Co	1890	*	C,W	7				7	Lowe (G)					
		1900	*	C,W	10				10	*					
		1910	*	C,W	21	2			23	*					
		1920	0												
		1930	*	W		30			30		(0.1)	29			
		1940	0												
		1950	0												
		AVERAGES:			13	16			18			29			
26 Marshall	* L Co	1890	*	C,W	6				6	Lowe (G)					
		1900	0												
		1910	*	C,W	12				12						
		1920	*	C,W	15				15		1	17			
		1930	*	C,W	41	4			45						
		1940	*	CW		29			29						
		1950	N												
		AVERAGES:			19	17			21		1	17			
27 Monroe City	* GL Co	1890	*	C,W	(7)										
		1900	*	C,W	6				6						
		1910	*	C,W	24				24						
		1920	*	C,W	57	3			60		(2)	(-)			
		1930	*	C,W	54	13			67		6	100			
		1940	*	C,W	99	18			117		5	97			
		1950	N												
		AVERAGES:			48	11			55		6	103			
28 Muskegon City	* GL Co	1890	*	C	15				15						
		1900	*	C	15				15						
		1910	*	W		69			69	Lowe					
		1920	*	W		115			115	*					
		1930	*	W		276			276	*					
		1940	N												
		1950	N												
		AVERAGES:			15	153			98						

(continued)

TABLE B-1 (continued)

STATE: MICHIGAN

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
29	Negaunee	* GL Co	1890	*	O			1		1						Crude petroleum feed
			1900	*	O			?								" " "
			1910	*	C	24				24						
			1920	*	C	25				25						
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:			25		1		17						
30	Niles	* GL Co	1890	*	W		4			4	Lowe					
			1900	*	W		7			7	"					
			1910	*	C	21				21						
			1920	*	C	40				40						
			1930	*	C	20				20						
			1940	O												
			1950	O												
			AVERAGES:			27	6			18						
31	Owosso	* GL Co	1890	*	C,W	5				5	H-L					
			1900	*	C,W	9				9	"					
			1910	*	C,W	20	1			21	"					
			1920	*	C,W	100				100		(1)	(8)			
			1930	*	C,W	107	12			119		6	122			
			1940	P												
			1950	N												
			AVERAGES:			48	7			51		6	122			
32	Pontiac	' LR Medbury G Works	1890	*	C	1				1						
			1900	*	C	13				13						
			1910	*	C,W	41	2			43	Lowe					
			1920	*	C,W	125	30			155	"	8	180			
			1930	*	C,CW	592	910			1,502	"	33	858	159		
			1940	*	W,Coke		1,410	325		1,735	"					
			1950	O												
			AVERAGES:			154	588	325		575		21	519	159		

(continued)

TABLE B-1 (continued)

STATE: MICHIGAN

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS********* Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
33	Port Huron	* GL Co	1890	*	C	7				7						
			1900	*	C	38				38						
			1910	*	C,W	64	18			82	Lowe					
			1920	0												
			1930	*	CW		393			393	Steere		232			
			1940	0												
			1950	0												
			AVERAGES:			36	206			130			232			
34	St John's	Mutual G Co	1890	*	W		3			3	Lowe (S)					
			1900	*	W		2			2	"					
			1910	*	W		5			5	"					
			1920	*	W		10			10	"					
			1930	*	W		13			13	"					
			1940	0												
			1950	0												
			AVERAGES:				7			7						
35	Saginaw	* GL Co	1890	*	C	0										
			1900	*	C	15				15						
			1910	*	C,W	183	2			185	Lowe					
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:			66	2			100						
36	Sturgis	* G&EL Co	1890	*	C	?										
			1900	0												
			1910	0												
			1920	*	C	27				27		(-)	(-)			
			1930	*	C	46				46		(0)	36			
			1940	*	C,O	41		7		48		2	58			
			1950	0												
			AVERAGES:			30		7		40		2				

(continued)

TABLE B-1 (continued)

STATE: MICHIGAN

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
37	Ypsilanti	* G Co	1890	*	C	(7)										
			1900	*	C	12				12						
			1910	*	C,W	38	2			40						
			1920	*	C,W	67	1			68		(-)	(-)			
			1930	*	C,W	107	1			108		6	107			
			1940	*	C	132				132		6	102			
			1950	O												
			AVERAGES:			71	1			72		6	105			
38	Albion	* G&Coke Co	1890													
			1900	*	C	1				1						
			1910	*	C	23				23						
			1920	*	C	40				40			(4)			
			1930	*	C	80				80			4	70		
			1940	*	C	71				71			4	63		
			1950	N												
			AVERAGES:			43				43			4	67		
39	Benton Harbor	* -St Joseph G Co	1890													
			1900	*	C	17				17						
			1910	*	W		75			75	P-E					
			1920	*	W		111			111	Lowe					
			1930	*	W		226			226	*					
			1940	*	C,W	178	67			245	*	10	250			
			1950	*	W		201			201	*					
			AVERAGES:			98	136			146		10	250			
40	Escanaba	City Lighting Plant	1890													
			1900	*	O			1		1	Patton					
			1910	*	O			1		1	*					
			1920	*	W		31			31						
			1930	*	CW		53			53						
			1940	*	CW		45			45						
			1950	*	CW		93			93			89			
			AVERAGES:				56	1		37			89			

(continued)

TABLE B-1 (continued)

STATE: MICHIGAN

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
41	Menominee	* G Co	1890													
			1900	*	C	(13)										
			1910	*	C	13				13						
			1920	*	C	34				34		(1)	(-)			
			1930	*	C	104				104		6	82			
			1940	*	W		94			94						
			1950	*	W		211			211			104			
			AVERAGES:			50	153			91		6	93			
42	Mt Clemens	* G Co	1890													
			1900	*	C,W	6				6						
			1910	*	C,W	30				30						
			1920	*	C,W	59				59		3	56			
			1930	*	C,W	139	149			288		7	189			
			1940	0												
			1950	0												
			AVERAGES:			59	149			96		5	123			
43	Belding	* Gas Works	1890													
			1900													
			1910	*	C	(5)										
			1920	*	C	15				15						
			1930	*	C	18				18		1	20			
			1940	*	C	8				8		(0.3)	10			
			1950	D												
			AVERAGES:			14				14		1	15			
44	Cadillac	* BL Co	1890													
			1900													
			1910	*	C	18				18						
			1920	*	C	27				27						
			1930	*	C	34				34		(0.3)	36			
			1940	*	C	28				28		2	29			
			1950	N												
			AVERAGES:			27				27		2	33			

(continued)

TABLE B-1 (continued)

STATE: MICHIGAN

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
45 Cheboygan	* GL Co	1890													
		1900													
		1910	*	C											
		1920	*	C											
		1930	*	C							(-)	7			
		1940	0												
		1950	-												
		AVERAGES:										7			
46 Debray	* &Surburban G Co	1890													
		1900													
		1910	*	C,W	64	16			80	Lowe					
		1920	0												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			64	16			80						
47 Dowagiac	* G Co	1890													
		1900													
		1910	*	C	15				15						
		1920	*	C	15				15						
		1930	*	C	33				33		(0.6)	30			
		1940	0												
		1950	-												
		AVERAGES:			21				21			30			
48 Grand Ledge	* GL Co	1890													
		1900													
		1910	*	C	12				12						
		1920	*	C	6				6						
		1930	0												
		1940	-												
		1950	-												
		AVERAGES:			9				9						

(continued)

TABLE B-1 (continued)

STATE: MICHIGAN

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/ PROCESS	*******BY-PRODUCTS********				MISCELLANEOUS INFORMATION
						Coal	Water	Oil	Coke	Total		Coke	Tar	Ammonia	Other	
49	Hancock	Houghton County G&Coke Co	1890													
			1900													
			1910	*	C	40				40						
			1920	*	C	51				51						
			1930	*	C	45				45		(0)	43			
			1940	0												
			1950	0												
			AVERAGES:			45				45			43			
50	Hastings	Thornapple G&E Co	1890													
			1900													
			1910	*	C	10				10						
			1920	*	C	15				15			1			
			1930	*	C,W	30	1			31		2	31			
			1940	0												
			1950	0												
			AVERAGES:			18	1			19		2	16			
51	Holland	* City G Co	1890													
			1900													
			1910	*	C	20				20						
			1920	*	C	50				50		3	57			
			1930	*	C,W	89	44			133						
			1940	0												
			1950	-												
			AVERAGES:			53	44			68		3	57			
52	Iron Mt	* L&F Co	1890													
			1900													
			1910	*	W		8			8	Lowe					
			1920	0												
			1930	*	W		19			19						
			1940	*	W		20			20						
			1950	*	W		14			14			1			
			AVERAGES:				15			15			1			

(continued)

TABLE B-1 (continued)

STATE: MICHIGAN

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
53	Iron Wood	* G Co	1890													
			1900													Under construction
			1910	*	W		?									
			1920	0												
			1930	*	W		40			40						
			1940	*	W		41			41						
			1950	N												
			AVERAGES:				41			41						
54	Laurium	Calumet G Co	1890													
			1900													
			1910	*	W		34			34	Lowe					
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:				34			34						
55	Mt Pleasant	* L&F Co	1890													
			1900													
			1910	*	C	10				10						
			1920	*	C,W	27	1			28	Tenney	(0)	(0)	(2)		
			1930	*	C,W	51	355			406	"	(1)	40			
			1940	N												
			1950	N												
			AVERAGES:			29	178			148			40			
56	Petosky	* &Bayshore G Co	1890													
			1900													
			1910	*	C	18				18						
			1920	*	C	19				19						
			1930	*	C,W	35	5			40		2	42			
			1940	N												
			1950	N												
			AVERAGES:			24	5			26		2	42			

(continued)

TABLE B-1 (continued)

STATE: MICHIGAN

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
57	Saulte Ste Marie	* G&E Co	1890													
			1900													
			1910	*	C	18				18						
			1920	*	C	33				33		(1)	(-)			
			1930	*	C	54				54		(1)	44			
			1940	*	C	44				44		(-)	46			
			1950	N												
			AVERAGES:			37				37			45			
58	South Haven	* G Co	1890													
			1900													
			1910	*	C	15				15						
			1920	*	C	19				19		(-)	(-)			
			1930	*	C	33				33		(-)	34			
			1940	*	C	27				27		2	30			
			1950	N												
			AVERAGES:			24				24		2	32			
59	Three Rivers	* G Co	1890													
			1900													
			1910	*	C	8				8						
			1920	*	C	18				18						
			1930	*	C	36				36		(0.4)	40			
			1940	*	C,W	131	164			295		7	149			
			1950	*	C,W	161	230			391		8	304			
			AVERAGES:			71	197			150		8				
60	Traverse City	* G Co	1890													
			1900													
			1910	*	C	20				20						
			1920	*	C	30				30		(1)	(-)			
			1930	*	C	54				54		3	55			
			1940	*	C	40				40		3	61			
			1950	D												
			AVERAGES:			30				30		3				

(continued)

TABLE B-1 (continued)

STATE: MICHIGAN

NO. CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
61 Alma	Gratiot County G Co	1890													
		1900													
		1910													
		1920	*	C,W	29	20			49	Tenney					
		1930	*	C	47				47		(0.2)	52			
		1940	0												
		1950	0												
		AVERAGES:			38	20			48			52			
62 Calumet	" G&Coke Co	1890													
		1900													
		1910													
		1920	*	C	27				27		(1)				
		1930	*	W		39			39	Lowe		26			
		1940	*	W		28			28	"					
		1950	0												
		AVERAGES:			27	34			31			26			
63 Muskegon Hts	" G Co	1890													
		1900													
		1910													
		1920	*	W		10			10	Tenney		5			
		1930	0												
		1940	0												
		1950	-												
		AVERAGES:				10			10			5			
64 Otsego	Allegan County G Co	1890													
		1900													
		1910													
		1920	*	C	44				44		(2)	(12)			
		1930	*	C	56				56		(-)	53			
		1940	*	C	37				37		2	42			
		1950	0												
		AVERAGES:			46				46		2	48			

(continued)

TABLE B-1 (continued)

STATE: MICHIGAN

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
65 Plymouth	* /Northville G Co	1890													
		1900													
		1910													
		1920	*	C	17				17						
		1930	*	C,W	92	35			127		(2)	56			
		1940	O												
		1950	O												
		AVERAGES:			55	35			72			56			
66 Flint	Consumer's P Co	1890													
		1900													
		1910													
		1920													
		1930	*	C,W	1,813	247			2,060		(30)	(300)			
		1940	*	CW,Coke		195		1,850	2,045		(-)	1,678			3,600 lbs ammonium sulfate
		1950	N												
		AVERAGES:			1,813	221		1,850	2,053			1,678			
67 Ishpeming	Michigan G&E Co	1890													
		1900													
		1910													
		1920													
		1930	*	C	31				31		(0.1)	34			
		1940	O												
		1950	O												
		AVERAGES:			31				31			34			
68 Kalamazoo	Consumer's P Co	1890													
		1900													
		1910													
		1920													
		1930	*	C,W	519	60			579		29	562	223		
		1940	*	W,Coke		83		567	650		(0.6)	637	213		
		1950	N												
		AVERAGES:			519	72		567	615		29	600	218		

(continued)

TABLE B-1 (continued)

STATE: MICHIGAN

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
69	Zilwaukee	Consumer's P Co	1890													
			1900													
			1910													
			1920													
			1930	*	C,W	801	206			1,007		46		304		
			1940	B												
			1950	D												
			AVERAGES:			801	206			1,007		46		304		

(continued)

TABLE B-1 (continued)

STATE: MINNESOTA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Duluth	* G&Water Co	1890	*	W		30			30	F & Meeze					
			1900	*	W		35			35						
			1910	P												
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:				33			33						
2	Faribault	* GL Co	1890	*	O			(7)								
			1900	*	O			6		6						
			1910	*	W		13			13	Lowe					
			1920	*	W		47			47	"	(2)	(-)			
			1930	*	C	83				83		(1)	122			
			1940	N												
			1950	N												
			AVERAGES:			83	30	6		37			122			
3	Fergus Falls	* G&E Co	1890	*	W		2			2	Lowe					
			1900	X												
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				2			2						
4	Mankato	* G&E Co	1890	*	C	(10)										
			1900	*	C	10				10						
			1910	*	C	50				50						
			1920	*	C	63				63						
			1930	*	C	88				88		(1)	95			
			1940	O												
			1950	O												
			AVERAGES:			53				53			95			

(continued)

TABLE B-1 (continued)

STATE: MINNESOTA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Minneapolis	* GL Co	1890	*	C,W	(230)					Lowe (8)					
			1900	*	C,W	?					*					
			1910	*	C,W	?					*					
			1920	*	C,W	540	2			550	*		(210)	(44)		
			1930	*	W		4,507			4,507	*		3,072			
			1940	*	W		1,553			1,553	*		1,020			
			1950	N												
			AVERAGES:			540	2,021			2,203			2,046			
6	Red Wing	* G&E Co	1890	*	O			(8)								Naphtha feed
			1900	*	O			6		6						
			1910	*	C,W	13	27			40	Lowe					
			1920	*	C	35				35	*		(9)			
			1930	*	C	46				46	*	2	50			
			1940	*	C	39				39	*	2	48			
			1950	*	C	69				69	*	4	91			
			AVERAGES:			40	27	6		39		3	63			
7	Rochester	* GL Co	1890	*	?											
			1900	*	C	6				6						
			1910	*	C	9				9						
			1920	*	C	59				59						
			1930	*	C,W	83	36			119		4	91			
			1940	N												
			1950	N												
			AVERAGES:			39	36			48		4	91			
8	St Cloud	* G&E Co	1890	*	O			(10)			Patton					
			1900	*	O			?			*					
			1910	*	C	12				12						
			1920	*	C,W	16	16			32		(3)				
			1930	*	C,W	38	48			86		(1)	37			
			1940	*	C,W	41	40			81		(1)	53			
			1950	N												
			AVERAGES:			27	35			53			45			

(continued)

TABLE B-1 (continued)

STATE: MINNESOTA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS********* Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	St Paul	* GL Co	1890	*	C,W	(200)					Lowe (S)					
			1900	*	C,W	300				300	*					
			1910	*	C,W	216	724			940	*					
			1920	*	C,W	2,000				2,000	*					
			1930	*	W		118			118	*		47			
			1940	*	W		99			99	*		59			
			1950	N												
			AVERAGES:			839	314			691			53			
10	Stillwater	* G&EL Co	1890	*	C,W	1				1	Lowe (B)					
			1900	*	C,W	8				8	*					
			1910	*	C	10				10						
			1920	*	C	40				40						
			1930	*	C	71				71		(1)	79			
			1940	*	C	58				58		(1.3)	63			
			1950	N												
			AVERAGES:			33				33			71			
11	Winona	* GL Co	1890	*	C	7										
			1900	*	C	12				12						
			1910	*	C	20				20						
			1920	*	C	45				45		(-)	(-)	(1)		
			1930	*	C	114				114		(2)	117			
			1940	*	C	104				104		(3)	123			
			1950	N												
			AVERAGES:			59				59						
12	Adams	* G Works	1890													
			1900													
			1910	*	W		(1)				Tenny					
			1920	O												
			1930	C												
			1940	-												
			1950	-												
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: MINNESOTA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13	Albert Lea	* L&P Co	1890													
			1900													
			1910	*	W		9			9	Lowe					
			1920	*	W		27			27	"					
			1930	*	CW		47			47	"					
			1940	N												
			1950	N												
			AVERAGES:				28			28						
14	Austin	* G Co	1890													
			1900													
			1910	*	W		9			9	Lowe (G)					
			1920	*	W		29			29	"					
			1930	*	CW		71			71	"					
			1940	N												
			1950	N												
			AVERAGES:				36			36						
15	Duluth	Zenith Furnace Co	1890													
			1900													
			1910	*	Coke				306	306	Otto-Hoff.					
			1920	*	Coke				519	519						
			1930	P												
			1940	P												
			1950	O												
			AVERAGES:						413	413						
16	Excelsior	* G Co	1890													
			1900													
			1910	*	O				4	4						
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:						4	4						

(continued)

TABLE B-1 (continued)

STATE: MINNESOTA

					GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	******BY-PRODUCTS*******				
NO. CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
17 Renville	City of " G Plant	1890													
		1900													
		1910	*	W		3			3	Lowe					
		1920	O												
		1930	*	W		(1)									
		1940	O												
		1950	O												
		AVERAGES:				3			3						
18 Slayton	Village of "	1890													
		1900													
		1910	*	?		3			3	Lowe					
		1920	O												
		1930	O			(1)									
		1940	-												
		1950	-												
		AVERAGES:				3			3						
19 West Minneapolis	" G Works	1890													
		1900													
		1910	*	W		2			2	Tenney					
		1920	C												Cons. w/ Hopkins
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:				2			2						
20 Bemidji	" G Co	1890													
		1900													
		1910													
		1920	*	W		(8)				Lowe					
		1930	*	CW		11			11	"					
		1940	N												
		1950	N												
		AVERAGES:				11			11						

(continued)

TABLE B-1 (continued)

STATE: MINNESOTA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
21	Brainerd	* G&E Co	1890													
			1900													
			1910													
			1920	*	W		19			19	Tenney					
			1930	*	W		20			20	"					
			1940	N												
			1950	N												
			AVERAGES:				20			20						
22	Crookston	* G Co	1890													
			1900													
			1910													
			1920	*	W		20			20	Lowe		9			
			1930	*	W		18			18	"					
			1940	N												
			1950	N												
			AVERAGES:				19			19			9			
23	Hibbing	W&L Dept, *	1890													
			1900													
			1910													
			1920	*	C	18				18						
			1930	*	CW		74			74						
			1940	*	CW		71			71						
			1950	N												
			AVERAGES:			18	73			54						
24	Hopkins	West Minneapolis G Wks	1890													
			1900													
			1910													
			1920	*	W		4			4	Tenney					
			1930	X												
			1940	-												
			1950	-												
			AVERAGES:				4			4						

(continued)

TABLE B-1 (continued)

STATE: MINNESOTA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
25	Jasper	Village of "	1890													
			1900													
			1910													
			1920	*	W		12			12						
			1930	*	W		(1)									
			1940	*	W		(1)									
			1950	N												
			AVERAGES:				12			12						
26	New Ulm	" G Co	1890													
			1900													
			1910													
			1920	*	W		15			15	Tenney					
			1930	*	CW		28			28	"		4			
			1940	N												
			1950	N												
			AVERAGES:				22			22			4			
27	Owatonna	Public Serv Oper Co	1890													
			1900													
			1910													
			1920	*	W		18			18						
			1930	*	CW		48			48			7			
			1940	D												
			1950	D												
			AVERAGES:				33			33			7			
28	Virginia	Water&L Dept, "	1890													
			1900													
			1910													
			1920	*	W		18			18						
			1930	*	W		55			55						
			1940	*	CW		55			55						
			1950	*	CW		53			53						
			AVERAGES:				45			45						

(continued)

TABLE B-1 (continued)

TABLE B-1 IDENTIFICATION OF TOWN GAS MANUFACTURING SITES - ALL PLANTS (1890-1950)

STATE: MINNESOTA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
29	Fairmount	Central States E Co	1890													
			1900													
			1910													
			1920													
			1930	*	CW		25			25			7			
			1940	N												
			1950	N												
			AVERAGES:				25			25			7			
30	Willmar	* G Co	1890													
			1900													
			1910													
			1920													
			1930	*	CW		11			11	Tenney					
			1940	*	CW		31			31	*					
			1950	O												
			AVERAGES:				21			21						

(continued)

TABLE B-1 (continued)

STATE: MISSISSIPPI

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Columbus	GL&Coke Co	1890	*	C	5				5						
			1900	*	C	1				1						
			1910	*	C	7										
			1920	*	C	13				13						
			1930	*	C	17				17		1	12			
			1940	0												
			1950	0												
			AVERAGES:			9				9		1	12			
2	Greenville	* GL Co	1890	*	C	7										
			1900	0												
			1910	*	C	11				11						
			1920	*	C	18				18		(1)	(1)			
			1930	0												
			1940	0												
			1950	-												
			AVERAGES:			15				15						
3	Holly Springs	* GL Co	1890	*	?											
			1900	0												
			1910	0												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
4	Jackson	* GL Co	1890	*	C	(10)										
			1900	*	C	5				5						
			1910	*	C	29				29						
			1920	*	C	40				40		(-)	(-)			
			1930	*	W		123			123						
			1940	N												
			1950	N												
			AVERAGES:			25	123			49						

(continued)

TABLE B-1 (continued)

STATE: MISSISSIPPI

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Meridan	* G Co	1890	*	C	(15)										
			1900	*	C	9				9						
			1910	*	C	30				30						
			1920	*	C	63				63		(2)	(-)	10		
			1930	*	C	60				60		3	56			
			1940	N												
			1950	N												
			AVERAGES:			43				43		3	56	10		
6	Natchez	* GL Co	1890	*	C	6				6						
			1900	*	C	7										
			1910	*	C	8				8						
			1920	*	C	8				8						
			1930	D												
			1940	D												
			1950	-												
			AVERAGES:			7				7						
7	Vicksburg	* GL Co	1890	*	W		12			12	Lowe					
			1900	*	W		19			19	"					
			1910	*	W		40			40	"					
			1920	*	W		41			41	"					
			1930	N												
			1940	N												
			1950	N												
			AVERAGES:				28			28						
8	Biloxi	Gulf Coast G Co	1890													
			1900													
			1910	*	C,W	30				30	Lowe					
			1920	*	C,W	65				65	"					
			1930	*	C,W	82	74			156	"	4	81			
			1940	N												
			1950	N												
			AVERAGES:			59	74			84		4	81			

(continued)

TABLE B-1 (continued)

STATE: MISSISSIPPI

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Hattiesburg	* Traction Co	1890													
			1900													
			1910	*	C	12				12						
			1920	*	C	23				23		(1)	(1)			
			1930	*	C	42				42		(1)	35			
			1940	N												
			1950	N												
			AVERAGES:			26				26			35			
10	Laurel	Mississippi G Co	1890													
			1900													
			1910													
			1920													
			1930	*	CW		14			14						
			1940	O												
			1950	O												
			AVERAGES:				14			14						

(continued)

TABLE B-1 (continued)

STATE: MISSOURI

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Boonville	* GL Co	1890	*	C	(5)										
			1900	*	C	7				7						
			1910	*	C	6				6						
			1920	*	C	10				10						
			1930	*	C	21				21		1				
			1940	N												
			1950	N												
			AVERAGES:			11				11		1				
2	Carthage	* G Co	1890	*	C	4				4						
			1900	*	C	10				10						
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			7				7						
3	Chillicothe	* Water G&EL Co	1890	*	W		(9)				J					
			1900	*	O		4			4	Patton					
			1910	*	W		5			5						
			1920	*	W		9			9						
			1930	*	W		20			20						
			1940	O												
			1950	O												
			AVERAGES:				10			10						
4	Clinton	* G Coal&Coke Co	1890	*	C	4				4						
			1900	*	C	5				5						
			1910	*	C	5				5						
			1920	*	C	5				5		(0.3)	7			
			1930	*	C	10				10		(0.2)	7			
			1940	O												
			1950	O												
			AVERAGES:			6				6			7			

(continued)

TABLE B-1 (continued)

STATE: MISSOURI

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Columbia	* GL&Coke Co	1890	*	C	5				5						
			1900	*	C	3				3						
			1910	*	C	10				10						
			1920	*	C	20				20			8			
			1930	*	CW	82				82						
			1940	N												
			1950	N												
			AVERAGES:			24				24			8			
6	Hannibal	* G Co	1890	*	C	10				10						
			1900	*	C	10				10						
			1910	*	C	15				15						
			1920	*	C	57				57		(2)	(-)	(-)		
			1930	*	C	86				86		(2)	115			
			1940	N												
			1950	N												
			AVERAGES:			36				36			115			
7	Huntsville	* GL&Heat Co	1890	*	?	(3)										
			1900	*	?	4				4						
			1910	X												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			4				4						
8	Independence	* G&Coke Co	1890	*	C	4				4						
			1900	*	C	6				6						
			1910	*	C	25				25						
			1920	*	C	55				55						
			1930	N												
			1940	N												
			1950	N												
			AVERAGES:			23				23						

(continued)

TABLE B-1 (continued)

STATE: MISSOURI

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	BY-PRODUCTS Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Jefferson City	* LH&P Co	1890	*	W		(8)				Lowe (8)					
			1900	*	W		7			7						
			1910	*	W		26			26						
			1920	*	W		50			50						
			1930	*	CW		107			107			31			
			1940	N												
			1950	N												
			AVERAGES:				40			40			31			
10	Joplin	* G&Coke Co	1890	*	C	4				4						
			1900	*	C	40				40						
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			22				22						
11	Kansas City	L&Coke Co	1890	*	W		225			225	Lowe					
			1900	*	W		720			720						
			1910	N												
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:				473			473						
12	Lexington	* GL Co	1890	*	C	7				7						
			1900	*	C	4				4						
			1910	*	C	8				8						
			1920	*	C	10				10						
			1930	*	CW	15				15						
			1940	N												
			1950	N												
			AVERAGES:			9				9						

(continued)

TABLE B-1 (continued)

STATE: MISSOURI

NO. CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13 Louisiana	Carbon L Co	1890	*	C	7										
		1900	*	C	2				2						
		1910	*	C	8				8						
		1920	*	C	11				11						
		1930	*	CW	9				9						
		1940	0												
		1950	0												
		AVERAGES:			8				8						
14 Marshall	* GL Co	1890	*	C	50				50						
		1900	*	C	4				4						
		1910	*	C	8				8						
		1920	*	C	13				13						
		1930	*	CW	20				20						
		1940	0												
		1950	0												
		AVERAGES:			19				19						
15 Moberly	* GL Co	1890	*	C	(10)										
		1900	*	C	2				2						
		1910	*	C	6				6						
		1920	0												
		1930	*	C,W	26	36			62			32			
		1940	N												
		1950	N												
		AVERAGES:			11	36			23			32			
16 Nevada	* G&EL Co	1890	*	C	14				14						
		1900	*	C	9				9						
		1910	*	C	10				10						
		1920	0												
		1930	0												
		1940	-												
		1950	-												
		AVERAGES:			11				11						

(continued)

TABLE B-1 (continued)

STATE: MISSOURI

					GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS*********				
NO. CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
17 Rich Hill	* LH&P Co	1890	*	C	4				4						
		1900	*	C	4				4						
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			4				4						
18 Sedalia	* GL Co	1890	*	C	12				12						
		1900	*	C	12				12						
		1910	*	C	28				28						
		1920	*	C	53				53		(1)	(-)			
		1930	*	C	84				84		(1)	56			
		1940	N												
		1950	N												
		AVERAGES:			38				38			56			
19 Springfield	* GL Co	1890	*	C	15				15						
		1900	*	C	16				16						
		1910	*	C,W	107				107	Lowe					
		1920	*	C,W	120				120	Lowe					
		1930	*	CW	195				195	Lowe		70			
		1940	N												
		1950	N												
		AVERAGES:			91				91			70			
20 St Charles	* L&Coal Co	1890	*	C	5				5						
		1900	*	C	5				5						
		1910	*	C	22				22						
		1920	O												
		1930	*	CW	(9)										
		1940	*	CW	33				33						
		1950	N												
		AVERAGES:			16				16						

(continued)

TABLE B-1 (continued)

STATE: MISSOURI

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
21	St Joseph	* G&Mfg Co	1890	*	C	70				70						
			1900	*	C	160				160						
			1910	D												
			1920	*	C	586				586						
			1930	N												
			1940	N												
			1950	N												
			AVERAGES:			272				272						
22	St Louis	Carondelet GL Co	1890	*	C	20				20						
			1900	O	C	7				7						
			1910	O												
			1920	*	C,W,Coke	3	2		2	7						
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:			10	2		2	11						
23	St Louis	Laclede GL Co	1890	*	C	1,000				1,000						
			1900	*	C	1,200				1,200						
			1910	*	C,W	1,200	2,800			4,000						
			1920	N												
			1930	*	C,CW,Coke	1,632	2,323		2,082	6,037		337	4,355	2,789		821,170 lbs sulfate
			1940	*	Coke				1,969	1,969						
			1950	*	Coke				1,330	1,330						
			AVERAGES:			1,273	2,562		1,776	2,591		337	4,355	2,789		
24	St Louis	GF&P Co	1890	*	W	60				60						
			1900	D												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			60				60						

(continued)

TABLE B-1 (continued)

STATE: MISSOURI

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	========BY-PRODUCTS======== Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
25 St Louis	SL Co	1890	*	C	(430)										
		1900	O												
		1910	O												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:													
26 Trenton	* GAEL Co	1890	*	O			(6)			Patton					
		1900	O												
		1910	*	W	6				6	Lowe (Rowan)					
		1920	*	W	8				8						
		1930	*	W	22				22						
		1940	O												
		1950	O												
		AVERAGES:			12				12						
27 Excelsior Springs	* GAL Co	1890													
		1900	*	W		4			4	Hennessy					
		1910	O												
		1920	*	W		6			6						
		1930	*	W		30			30						
		1940	N												
		1950	N												
		AVERAGES:				13			13						
28 Macon	* GAEL Co	1890													
		1900	*	O			5		5	Patton					
		1910	*	O			5		5	"					
		1920	*	W		6			6	"					
		1930	*	CW		(4)									
		1940	*	CW		4			4						
		1950	O												
		AVERAGES:				5	5		5						

(continued)

TABLE B-1 (continued)

STATE: MISSOURI

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	BY-PRODUCTS Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
29	Brookfield	* BE&H Co	1890													
			1900													
			1910	*	W		13			13	Lowe					
			1920	*	W		18			18	"					
			1930	*	W		29			29	"					
			1940	*	CW		14			14	"					
			1950	O												
			AVERAGES:				19			19						
30	Cape Girardeau	* Water Works EL& Co	1890													
			1900													
			1910	*	C	(8)										
			1920	*	C	20				20		1	30			
			1930	*	W		35			35			12			
			1940	*	W		42			42						
			1950	O												
			AVERAGES:			20	39			32		1	21			
31	Excelsior Springs	* LPH&W Co	1890													
			1900													
			1910	*	W		4			4						
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:				4			4						
32	Kirksville	* GH&E Co	1890													
			1900													
			1910	*	W		9			9	Lowe					
			1920	*	W		21			21	"					
			1930	*	CW		27			27	"		12			
			1940	*	CW		28			28	"					
			1950	O												
			AVERAGES:				21			21			12			

(continued)

TABLE B-1 (continued)

STATE: MISSOURI

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
33	Mexico	* ELH&P Co	1890													
			1900													
			1910	*	W		2			2	Lowe					
			1920	*	W		8			8	"					
			1930	*	W		21			21	"					
			1940	O												
			1950	O												
			AVERAGES:				10			10						
34	Webster Groves	St Louis County G Co	1890													
			1900													
			1910													
			1920	*	W		383			383	Lowe					
			1930	*	W		1,756			1,756	"		678			77,104 gallons light oil
			1940	*	W		659			659	"					
			1950	O												
			AVERAGES:				933			933			678			
35	Warrensburg	Miss Public Serv Corp	1890													
			1900													
			1910													
			1920													
			1930													
			1940	*	W		27			27						
			1950	N												
			AVERAGES:				27			27						

(continued)

TABLE B-1 (continued)

STATE: MONTANA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Butte City	* GL&Coke Co	1890	*	W		16			16	Lowe					
			1900	*	W		21			21	"					
			1910	*	C	54				54	Coal					
			1920	*	C	96				96	"	(2)	5			
			1930	*	C	70				70	"					
			1940	N												
			1950	N												
			AVERAGES:			73	19			51			5			
2	Great Falls	* EL&G Co	1890	*	C,W	?										
			1900	O												
			1910	O												
			1920	*	C,W	17	47			64		(1)	(-)			
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:			17	47			64						
3	Helena	* GL&Coke Co	1890	*	C	17				17						
			1900	*	C	20				20						
			1910	*	C,W	13	13			26	Lowe					
			1920	*	C,W	22	13			35	"					
			1930	*	C,W	33				33	"					
			1940	N												
			1950	N												
			AVERAGES:			21	13			26						
4	Great Falls	* G Co	1890													
			1900													
			1910	*	C	(25)										
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: MONTANA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Missoula	* G Co	1890													
			1900													
			1910	*	C	(20)										
			1920	O												
			1930	*	C	24				24						
			1940	N												
			1950	N												
			AVERAGES:			24				24						
6	Billings	* G Co	1890													
			1900													
			1910													
			1920	*	W		60			60	Loom		(7)			
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:				60			60						

(continued)

TABLE B-1 (continued)

STATE: NEBRASKA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Beatrice	* G Co	1890	*	O			(16)			Patton					
			1900	*	O			6		6	*					
			1910	*	C,W	8	24			32	Lowe					
			1920	*	C,W	48				48	*					
			1930	*	CW		42			42	*					
			1940	N												
			1950	N												
			AVERAGES:			28	33	6		32						
2	Fremont	* G&EL Co	1890	*	O			(9)								Naphtha feedstock
			1900	*	O			(10)								* *
			1910	*	W		7			7	Lowe					
			1920	*	W		29			29	*					
			1930	*	CW		52			52	*		52			
			1940	N												
			1950	N												
			AVERAGES:				29			29			52			
3	Grand Island	* G Co	1890	*	O			10		10	Patton					
			1900	*	W		9			9	H-L					
			1910	*	W		14			14	*					
			1920	*	W		32			32	*					
			1930	*	CW		90			90	*		15			
			1940	N												
			1950	N												
			AVERAGES:				36	10		31			15			
4	Hastings	* GL Co	1890	*	C	6				6						
			1900	*	C	6				6						
			1910	*	C	16				16						
			1920	*	C	33				33						
			1930	*	W		78			78	Lowe		13			
			1940	N												
			1950	N												
			AVERAGES:			15	78			28			13			

(continued)

TABLE B-1 (continued)

STATE: NEBRASKA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/ PROCESS	*******BY-PRODUCTS********				MISCELLANEOUS INFORMATION
						Coal	Water	Oil	Coke	Total		Coke	Tar	Ammonia	Other	
5	Kearney	* G Co	1890	*	O			(10)			Patton					
			1900	*	O			3		3	•					
			1910	*	W		6			6	Lowe (Tenney)					
			1920	*	W		25			25	•					
			1930	*	W		40			40	•					
			1940	O												
			1950	O												
			AVERAGES:				24	3		19						
6	Lincoln	* G Co	1890	*	W		25			25	Lowe (G)					
			1900	*	W		42			42	•					
			1910	*	W		204			204	•					
			1920	*	W		295			295	•					
			1930	*	CW		578			578	•					
			1940	N												
			1950	N												
			AVERAGES:				229			229						
7	Nebraska City	* GL Co	1890	*	C	5				5						
			1900	*	C	6				6						
			1910	*	C	(10)										
			1920	*	C	9				9						
			1930	*	CW		25			25						
			1940	O												
			1950	O												
			AVERAGES:			7	25			11						
8	Omaha	* G Mfg Co	1890	*	W		150			150	Lowe					
			1900	*	W		260			260	•					
			1910	*	W		674			674	•					
			1920	*	W		1,220			1,220	•	(1)	(-)			
			1930	*	W		1,970			1,970	•		900			
			1940	*	CW		2,970			2,970	•	(-)	150			
			1950	O												
			AVERAGES:				1,209			1,209			525			

(continued)

TABLE B-1 (continued)

STATE: NEBRASKA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Plattsmouth	" G&EL Co	1890	*	O			4		4	Patton					
			1900	*	O			1		1	"					
			1910	*	W		5			5	Lowe					
			1920	*	W		7				"					
			1930	*	W		10			10	"					
			1940	N												
			1950	N												
			AVERAGES:				8	3		5						
10	Albion	City of " G Plant	1890													
			1900													
			1910	*	W		(3)				Tenney					
			1920	D												
			1930	D												
			1940	-												
			1950	-												
			AVERAGES:													
11	Blair	" G Co	1890													
			1900													
			1910	*	W		3			3	Tenney					
			1920	*	W		8			8	"					
			1930	D												
			1940	D												
			1950	-												
			AVERAGES:				6			6						
12	Central City	" G Co	1890													
			1900													
			1910	*	W		5			5	Tenney		1			
			1920	*	W		4			4	"					
			1930	D												
			1940	D												
			1950	-												
			AVERAGES:				5			5						

(continued)

TABLE B-1 (continued)

STATE: NEBRASKA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13	Fairbury	* G Co	1890													
			1900													
			1910	*	W		2			2	Tenney					
			1920	*	W		18			18	*		10			
			1930	*	W		35			35						
			1940	O												
			1950	O												
			AVERAGES:				18			18			10			
14	Norfolk	* L&F Co	1890													
			1900													
			1910	*	W		14			14	Tenney, 8					
			1920	*	W		19			19	*					
			1930	*	W		48			48	*					
			1940	O							*					
			1950	O												
			AVERAGES:				27			27						
15	Ord	* L&F Co	1890													
			1900													
			1910	*	W		(2)				Tenney					
			1920	*	W		3			3	*					
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:				3			3						
16	York	* G&E Co	1890													
			1900													
			1910	*	W		6			6						
			1920	*	W		15			15						
			1930	*	W		24			24						
			1940	N												
			1950	N												
			AVERAGES:				15			15						

(continued)

TABLE B-1 (continued)

STATE: NEBRASKA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
17	Broken Bow	* G Co	1890													
			1900													
			1910													
			1920	*	W		2			2						
			1930	0												
			1940	0												
			1950	-												
			AVERAGES:				2			2						
18	Columbus	* G Co	1890													
			1900													
			1910													
			1920	*	W		11			11						
			1930	*	CW		20			20						
			1940	N												
			1950	N												
			AVERAGES:				16			16						
19	McCook	Citizen's G Co	1890													
			1900													
			1910													
			1920	*	W		1			1	Tenney					
			1930	*	W		(5)				*					
			1940	N												
			1950	N												
			AVERAGES:				1			1						
20	North Platte	* L&P Co	1890													
			1900													
			1910													
			1920	*	W		20			20	Lowe					
			1930	*	CW		60			60	*		8			
			1940	N												
			1950	N												
			AVERAGES:				40			40			8			

(continued)

TABLE B-1 (continued)

STATE: NEBRASKA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	******BY-PRODUCTS****** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
21	Central City	* G Dept	1890													
			1900													
			1910													
			1920	*	W		(3)				Tenney, B					
			1930	N												
			1940	N												
			1950	N												
			AVERAGES:													
22	Scott's Bluff	Citizen's G Co	1890													
			1900													
			1910													
			1920	*	CW		27			27			5			
			1930	N												
			1940	N												
			1950	N												
			AVERAGES:				27			27			5			

(continued)

TABLE B-1 (continued)

STATE: NEVADA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Carson City	* Coal G Co	1890	*	C	3				3						
			1900	*	C	2				2						
			1910	*	C	3				3						
			1920	*	C	3				3						
			1930	*	O			2		2						
			1940	O												
			1950	O												
			AVERAGES:			3		2		3						
2	Reno	* Water,Land&Light Co	1890	*	?											
			1900	*	?											
			1910	*	O			25		25						
			1920	*	O			54		54						
			1930	*	W		87			87						450 tons lampblack
			1940	*	O			78		78						
			1950	N												
			AVERAGES:				87	52		61						
3	Virginia	* City GL Co	1890	*	C	6				6						700 tons lampblack
			1900	N												
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			6				6						
4	Winnemucca	* GL Co	1890	*	O			(1)								
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: NEVADA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				MISCELLANEOUS INFORMATION
						Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	
5	Tonapah	Nevada G Co	1890													
			1900													
			1910	*	W		9			9	Lowe					
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:				9			9						
6	Las Vegas	" G Co	1890													
			1900													
			1910													
			1920	*	O			(2)								
			1930	O												
			1940	N												
			1950	N												
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: NEW HAMPSHIRE

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	BY-PRODUCTS Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Claremont	* G Co	1890	*	W		2			2						
			1900	*	W		4			4	H-L					
			1910	*	W		10			10	•					
			1920	*	W		30			30	•					
			1930	*	W		10			10	•					
			1940	*	W		33			33	•					
			1950	N												
			AVERAGES:				16			16						
2	Concord	* GL Co	1890	*	W		27			27	Lowe					
			1900	*	W		32			32	•					
			1910	*	W		56			56	•					
			1920	*	W		109			109	•					
			1936	*	CW		192			192	•		30			
			1940	*	CW		190			190	•					
			1950	*	CW		242			242	•					
			AVERAGES:				121			121			30			
3	Dover	* GL Co	1890	*	W		13			13						
			1900	*	W		7									
			1910	*	W		21			21						
			1920	*	W		31			31						
			1936	*	CW		63			63						
			1940	P												
			1950	D												
			AVERAGES:				32			32						
4	Exeter	* GL Co	1890	*	?											
			1900	D												
			1910	*	C	10				10						
			1920	*	C	12				12						
			1930	*	C	(5)										
			1940	P												
			1950	P												
			AVERAGES:			11				11						

(continued)

TABLE B-1 (continued)

STATE: NEW HAMPSHIRE

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Farmington	" GL Co	1890	*	O			1		1						Naphtha feedstock
			1900	*	O			1		1						" "
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:					1		1						
6	Somersworth	Great Falls GL Co	1890	*	W		6			6	Lowe (B)					
			1900	*	O			11		11	Kendall					
			1910	*	O			15		15	"					
			1920	0												
			1930	0												
			1340	-												
			1950	-												
			AVERAGES:				6	13		11						
7	Hanover	" GL Co	1890	*	O			1		1						
			1900	0												
			1910	0												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:					1		1						
8	Keene	" GL Co	1890	*	W		5			5	Lowe					
			1900	*	W		12			12	"					
			1910	*	W		24			24	"					
			1920	*	W		45			45	"					
			1930	*	W		71			71	"					
			1940	C												Cons. w/Manchester Public Serv
			1950	-												
			AVERAGES:				31			31						

(continued)

TABLE B-1 (continued)

STATE: NEW HAMPSHIRE

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	BY-PRODUCTS Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Laconia	" GL Co	1890	*	?											
			1900	*	O			5		5	Kendall					
			1910	*	O			25		25	"					
			1920	*	W		35			35	Lowe					
			1930	*	CW		44			44	"					
			1940	O												
			1950	O												
			AVERAGES:				40	15		27						
10	Manchesta	People's GL Co	1890	*	W		(45)				H-L					
			1900	*	W		95			95	"					
			1910	*	W		173			173	Lowe					
			1920	*	W		352			352	"					
			1930	*	C,W		419	29		448	"	(5)	450	160		
			1940	*	W		408			408	"					
			1950	*	W		595			595	"					
			AVERAGES:				340	29		345			450	160		
11	Nashua	" Light,H&P Co	1890	*	C	27				27						
			1900	*	C	37				37						
			1910	*	C,W	52				52	Lowe					
			1920	*	C,W	60	58			118	"	(2)	(-)	(-)		
			1930	*	C,W	213	561			774	"	12	227			
			1940	C												Cons. w/Manchester Pub. Serv.
			1950	-												
			AVERAGES:			78	310			282		12				
12	Portsmouth	" GL Co	1890	*	C	10				10						
			1900	*	C	11				11						
			1910	*	C	18				18						
			1920	*	C	64				64		(2)	(-)			
			1930	*	C	79				79						
			1940	*	C	79				79						
			1950	*	C	95				95						
			AVERAGES:			51				51						

(continued)

TABLE B-1 (continued)

STATE: NEW HAMPSHIRE*

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13	Rollinsford	Salmon Falls Mfg Co	1890	*	O			(1.7)								
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
14	Franklin Falls	" L&P Co	1890													
			1900	*	O			1		1						Naphtha feedstock
			1910	*	O			1		1						" "
			1920	*	C	5				5						
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:			5		1		2						
15	Pittsfield	" G Co	1890													
			1900	*	O			17		17						Naphtha feedstock
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:					17		17						
16	Rochester	" GL Co	1890													
			1900													
			1910	*	C	5				5						
			1920	*	W		43			43	Lowe					
			1930	*	CW		21			21	"					
			1940	*	CW		25			25	"					
			1950	N												
			AVERAGES:			5	30			24						

(continued)

TABLE B-1 (continued)

STATE: NEW HAMPSHIRE

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS********* Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
17	Manchester	Public Serv of NH	1890													
			1900													
			1910													
			1920													
			1930													
			1940	*	C,CW	10	249			259		1	9			Plants in Keene,Laconia/Nashua (cont.') and Dover.
			1950	*	CW		472			472						
			AVERAGES:			10	361			366		1	9			

(continued)

TABLE B-1 (continued)

STATE: NEW JERSEY

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Arlington	* GLCo	1890	*	W		(1)				G-G					
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
2	Asbury Park	Gas Co	1890	*	W		9			9	Hodges					Cons. w/Long Branch
			1900	C												
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				9			9						
3	Atlantic City	G & W Co	1890	*	W		30			30	Lowe (B)					
			1900	*	W		85			85	*					
			1910	*	W		475			475	*					
			1920	*	W		810			810	*					
			1930	*	CW		1,400			1,400	*					
			1940	*	CW		1,092			1,092	*		1,740			
			1950	*	CW		1,022			1,022	*		1,740			
			AVERAGES:				816			816						
4	Bayonne	Bayonne & Greenville G L	1890	*	W		3			3	Lowe					Cons. w/Hudson Cty of Hobuken
			1900	C												
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				3			3						

(continued)

TABLE B-1 (continued)

STATE: NEW JERSEY

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Belvidere	G & E Co	1890	*	?											
			1900	0												
			1910	0												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
6	Bordentown	* G L Co	1890	*	C	3				3						
			1900	*	C	2				2						
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			3				3						
7	Burlington	* G L Co	1890	*	C	(10)										
			1900	*	C	8				8						
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			8				8						
8	Bloomfield	*G & W Co	1890	*	?											
			1900	0												
			1910	0												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: NEW JERSEY

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS********* Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Bridgeton	* G L Co	1890	*	C	12				12						
			1900	*	C	8				8						
			1910	*	C	45				45						
			1920	*	C	99				99		(1)	(-)			
			1930	*	C	123				123		(2)	134			
			1940	*	C	85				85		(1)	60			
			1950	*	C	84				84		3	54			
			AVERAGES:			65				65		3	83			
10	Cape May	Cape Island Gas Co	1890	*	W	5				5	Lowe					
			1900	*	W	6				6	"					
			1910	*	W	20				20	"					
			1920	*	W	27				27	"					
			1930	C												
			1940	-												
			1950	-												
			AVERAGES:			15				15						
11	Camden	* G L Co	1890	*	C,W	7										
			1900	*	C,W	90				90	Lowe					
			1910	*	C,W	930				930	"					
			1920	*	Coke				2,100	2,100	Otto-Hoff.					
			1930	*	Coke				3,630	3,630	"					
			1940	*	Coke				3,765	3,765	"					
			1950	*	Coke				(7000)		"					
			AVERAGES:			540			3,165	2,115						
12	Elizabeth	* G L Co	1890	*	C	(33)										
			1900	*	W		100			100	Lowe					
			1910	*	W		230			230	"					
			1920	*	W		1,200			1,200	"		75			
			1930	*	W		2,536			2,536	"		1,232			
			1940	*	W		2,522			2,522	"		1,230			
			1950	*	W		4;509			4,509	"		2,900			
			AVERAGES:				1,863			1,863						

(continued)

TABLE B-1 (continued)

STATE: NEW JERSEY

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	******BY-PRODUCTS******				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13	Elizabeth	Metropolitan G L Co	1890	*	W		(40)				Meeze					
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
14	Englewood	Bergen Co. Gas L Co	1890	*	C	3				3						Cons. w/Hackensack
			1900	X												
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			3				3						
15	Flemington	" G L Co	1890	*	O			(2)								Naphtha feedstock
			1900	*	O			1		1						" "
			1910	*	O			1		1						
			1920	*	W		36			36	Lowe					
			1930	*	CW		32			32	"					
			1940	O												
			1950	O												
			AVERAGES:				34	1		18						
16	Freehold	" G L Co	1890	*	C	2				2						
			1900	*	C	6				6						
			1910	*	C	11				11						
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:			6				6						

(continued)

TABLE B-1 (continued)

STATE: NEW JERSEY

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
					Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
17 Gloucester City	" G L Co	1890	*	W		(6)									
		1900	*	W		(7)									
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:													
18 Hackensack	" G L Co	1890	*	C	(5)										
		1900	*	C	70				70						
		1910	*	W		270			270	Lowe					
		1920	*	W		914			914	"					
		1930	P												
		1940	P												
		1950	-												
		AVERAGES:			70	592			418						
19 Hoboken (Jersey City)	Hudson Co. G L Co	1890	*	?											
		1900	*	W		850			850	Lowe					Moved to Jersey City
		1910	*	W		2,300			2,300	"					
		1920	*	W		3,900			3,950	"					
		1930	*	W		5,000			5,000	"					
		1940	*	W		4,585			4,585	"					
		1950	*	Coke				6,500	6,500						
		AVERAGES:				3,327		6,500	3,871						
20 Jersey City	Consumer Gas Co	1890	*	W		200			200	Lowe					
		1900	C												Cons. w/Hudson (See Hoboken)
		1910	-												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:				200			200						

(continued)

TABLE B-1 (continued)

TABLE B-1: IDENTIFICATION OF TOWN GAS MANUFACTURING SITES - ALL PLANTS (1890-1950)

STATE: NEW JERSEY

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	BY-PRODUCTS				MISCELLANEOUS INFORMATION
						Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	
21	Jersey City	* GL Co	1890	P												Gas purchased from Consumer's Cons. w/Hudson (see Hoboken) It is uncertain if this site ever manufactured gas
			1900	C												
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
22	Jersey City	People's G L Co	1890	P												Gas purchased from Consumer's Cons. w/Hudson (see Hoboken) It is uncertain if this site ever manufactured gas
			1900	C												
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
23	Lambertville	* G L Co	1890	*	C	4				4						
			1900	*	C	4				4						
			1910	*	C	6				6						
			1920	C												Cons. w/Flemington
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			5				5						
24	Long Branch	* G L Co	1890	*	W		(4.5)									Plants at Long Branch,Belmar (cont.') and Lakewood.
			1900	*	W		90			90						
			1910	*	W		170			170						
			1920	*	W		332			332						
			1930	*	CW		1,170			1,170			350			
			1940	*	CW		1,338			1,338			1,172			
			1950	*	CW		2,794			2,794			2,387			

(continued)

TABLE B-1 (continued)

STATE: NEW JERSEY

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
25	Matawan/Key Port	* GL Co	1890	*	C	2				2						
			1900	*	C	4				4						
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			3				3						
26	Millville	* GL Co	1890	*	C	5				5						
			1900	*	C	6				6						
			1910	*	C	45				45						
			1920	*	C	100				100		(-)	(-)	(-)		
			1930	*	C,W	58	205			263		3	52			
			1940	*	CW		209			209			94			
			1950	*	CW		353			353			224			
			AVERAGES:			43	256			140		3	123			
27	Mooristown	* GL Co	1690	*	C	12				12						
			1900	*	C	24				24						
			1910	*	C	(18)										
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:			18				18						
28	Mount Holly	GL Co	1890	*	C	2				2						
			1900	C												Cons. w/Newark GL Co
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			2				2						

(continued)

TABLE B-1 (continued)

STATE: NEW JERSEY

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
29	Harrison	East Newark GL Co	1890	*	C	(16)										
			1900	C												Cons. w/Newark GL Co
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
30	Newark	Citizen's GL Co	1290	*	C	100				100						
			1900	D												Cons. w/Newark GL Co
			1910	D												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			100				100						
31	Newark	" GL Co	1890	*	C	(100)										
			1900	*	C	1,000				1,000						Became "Essex & Hudson Gas Co"
			1910	*	C,W	2,900				2,900	Lowe					
			1920	*	C,W	5,300				5,300	"					
			1930	*	W	8,400				8,400	"					
			1940	*	W	8,976				8,976	"					
			1950	*	W	14,034				14,034	"					Includes some LP gas
			AVERAGES:			6,783				6,783						
32	New Brunswick	GL Co of City of "	1890	*	W		7				Lowe					
			1900	*	W		14			14	"					
			1910	*	W		230			230	"					
			1920	*	W		850			850	"					
			1930	P												
			1940	P												
			1950	-												
			AVERAGES:				365			365						

(continued)

TABLE B-1 (continued)

STATE: NEW JERSEY

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
33	Newton	*GL Co	1890	*	C	2				2						
			1900	*	C	7				7						
			1910	*	C,W	12				12	Lowe					
			1920	*	C,W	12				12	*					
			1930	*	C,W	11	8			19	*					
			1940	*	W		81			81	*					
			1950	O												
			AVERAGES:			9	45			22						
34	Passaic	* City GL Co	1890	*	W		?				Lowe (H-L)					
			1900	C												Cons. w/Paterson GL Co
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
35	Paterson	* GL Co	1890	*	W		97			97	Lowe (H-L)					
			1900	*	W		250			250	*					
			1910	*	W		960			960	*					
			1920	*	W		1,600			1,600	*					
			1930	*	W		3,300			3,300	*					
			1940	*	W		2,954			2,954	*					
			1950	*	CW		5,300			5,300	*					
			AVERAGES:				2,077			2,077						
36	Paterson	People's GL Co	1890	*	W		?				Lowe					
			1900	C												Cons. w/Paterson GL Co
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: NEW JERSEY

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
						Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
37	Perth Amboy	* GL Co	1890	*	C	4				4						
			1900	*	C	11				11						
			1910	*	C	61				61						
			1920	*	C	70				70		(2)	(-)			
			1930	P												
			1940	P												
			1950	-												
			AVERAGES:			37				37						
38	Phillipsburg	* GL Co	1890	*	W		4			4						
			1900	*	W		5			5						
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				5			5						
39	Plainfield	* GL Co	1890	*	W		(12)				Lowe					
			1900	*	W		32			32	*					
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				32			32						
40	Princeton	* GL Co	1890	*	C	8				8						
			1900	*	C	10				10						
			1910	*	C	16				16						
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:			11				11						

(continued)

TABLE B-1 (continued)

STATE: NEW JERSEY

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/ PROCESS	*******BY-PRODUCTS********				MISCELLANEOUS INFORMATION
					Coal	Water	Oil	Coke	Total		Coke	Tar	Ammonia	Other	
41 Rahway	* GL Co	1890	*	C	8				8						
		1900	*	C	12				12						
		1910	0												
		1920	*	C	79				79						
		1930	0												
		1940	0												
		1950	-												
		AVERAGES:			33				33						
42 Red Bank	* GL Co	1890	*	C	(5)										
		1900	C												Cons. w/Long Branch
		1910	-												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:													
43 Salem	* GL CDo	1890	*	C	6				6						
		1900	0												
		1910	*	C	6				6						
		1920	*	C	31				31						
		1930	*	C,W	42	3			45	Lowe (G)					
		1940	*	C,W	41	3			44	*					
		1950	N												
		AVERAGES:			25	3			26						
44 Sea Island City	* GW & Sewer Co	1890	*	?											
		1900	0												
		1910	0												
		1920	*												
		1930	0												
		1940	0												
		1950	-												
		AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: NEW JERSEY

					GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO. CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
45 Somerville	* GL Co	1890	*	C	4				4						
		1900	*	C	8				8						
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			6				6						
46 Trenton	* GL Co	1890	*	C	55				55						
		1900	*	C	120				120						
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			88				88						
47 Vineland	* G Works	1890	*	C	3				3						
		1900	*	C	8				8						
		1910	P												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			6				6						
48 Woodbury	Consumer's G Co	1890	*	W		4			4	H-L					
		1900	*	W		10			10	"					
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:				7			7						

(continued)

TABLE B-1 (continued)

STATE: NEW JERSEY

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
49	Camden	East Side Gas Co	1890													
			1900	*	W		(10)				Lowe					
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
50	Lakewood	" Gas Co	1890													
			1900	*	W		?									
			1910	*	W		25			25						
			1920	P												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				25			25						
51	Merchantville	Camden/Burlington G&E Co	1890													
			1900	*	?											
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
52	Riverton	River Shore Gas Co	1890													
			1900	*	?											
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: NEW JERSEY

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/ PROCESS	BY-PRODUCTS				MISCELLANEOUS INFORMATION
						Coal	Water	Oil	Coke	Total		Coke	Tar	Ammonia	Other	
53	Belmar	Coast Gas Co	1890													
			1900													
			1910	*	W		40			40	Lowe					
			1920	*	W		180			180	"					
			1930	C												
			1940	-												Cons. w/Long Branch
			1950	-												
			AVERAGES:				110			110						
54	Boonton	" G L & Improve. Co	1890													
			1900													
			1910	*	W		(5)									
			1920	*	W		12			12		(-)	4			
			1930	C												Cons. w/Boonton
			1940	-												
			1950	-												
			AVERAGES:				12			12			4			
55	Cranford	" G L Co	1890													
			1900													
			1910	P												It is uncertain if this site ever manufactured gas
			1920	D												
			1930	D												
			1940	-												
			1950	-												
			AVERAGES:													
56	Dover	Rockaway & Port Oran.	1890													
			1900													
			1910	*	W		30			30	Lowe					
			1920	*	W		40			40	"					
			1930	*	CW		127			127	"		47			
			1940	*	CW		209			209	"		73			
			1950	*	CW		324			324	"		261			
			AVERAGES:				146			146			127			

(continued)

TABLE B-1 (continued)

STATE: NEW JERSEY

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
57	Egg Harbor City	Enterprise G Co	1890													
			1900													
			1910	*	W		5			5	Lowe					
			1920	*	W		9			9	*					
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:				7			7						
58	Glassboro	Pitman, Glassboro & Clayton G Co	1890													
			1900													
			1910	*	W		20			20	Lowe					
			1920	*	W		250			250	*					
			1930	*	W		427			427	*		256			
			1940	*	W		420			420	*		273			
			1950	*	W		755			755	*		657			
			AVERAGES:				374			374			395			
59	Hammonton	& Egg Harbor City	1890													
			1900													
			1910	*	W		6			6	L-J					
			1920	*	W		11			11	*					
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:				9			9						
60	Keyport	Standard Gas Co	1890													
			1900													
			1910	*	C	11				11						
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:			11				11						

(continued)

TABLE B-1 (continued)

STATE: NEW JERSEY

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
61	Medford	" G L Co	1890													
			1900													
			1910	*	O			3		3	Phoenix					
			1920	*	O			6		6	"					
			1930	*	W		?				L-J					
			1940	*	W		(2)				"		46			
			1950	0												
			AVERAGES:					5		5			46			
62	Ocean City	City Gas L Co	1890													
			1900													
			1910	*	W		8			8	Lowe					
			1920	*	W		34			34	"					
			1930	*	CW		126			126	"		40			
			1940	*	CW		128			128	"					
			1950	0												
			AVERAGES:				74			74			40			
63	Paulsboro	Municipal G P	1890													
			1900													
			1910	*	W		5			5						
			1920	*	W		18			18						
			1930	*	W		(5)									
			1940	N												
			1950	N												
			AVERAGES:				12			12						
64	Penn's Grove	" G Co	1890													
			1900													
			1910	*	W		6			6	L-J					
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:				6			6						

(continued)

TABLE B-1 (continued)

STATE: NEW JERSEY

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS*******				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
65	Pleasantville	* H L & P Co	1890													
			1900													
			1910	*	W		74			74	Lowe					
			1920	*	W		29			29	"					
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:				52			52						
66	So. Amboy	Citizen's L & F Co	1890													
			1900													
			1910	*	C	9				9						
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:			9				9						
67	Swedesboro	* G L Co	1890													
			1900													
			1910	*	W		5			5	Lowe					
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:				5			5						
68	Tuckerton	* G Co	1890													
			1900													
			1910	*	W		4			4	Lowe					
			1920	P												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				4			4						

(continued)

TABLE B-1 (continued)

STATE: NEW JERSEY

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS********* Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
69 Washington	" G Co	1890													
		1900													
		1910	#	W		5			5	Lowe					
		1920	#	W		6			6	"					
		1930	O												
		1940	O												
		1950	-												
		AVERAGES:				6			6						
70 Wildwood	",Anglesea & Holly Beach G Co	1890													
		1900													
		1910	#	W		20			20	Lowe					
		1920	#	W		40			40	"					
		1930	#	CW		114			114	"		36			
		1940	#	CW		182			182	"		274			
		1950	#	CW		350			350	"					
		AVERAGES:				141			141			155			
71 Williamstown	" G Co	1890													
		1900													
		1910	P												It is uncertain if this site ever manufactured gas
		1920	O												
		1930	O												
		1940	-												
		1950	-												
		AVERAGES:													
72 Atlantic Highland	Standard Gas Co	1890													
		1900													
		1910													
		1920	#	W		119			119	Lowe					
		1930	#	CW		245			245	"		140			
		1940	#	CW		252			252	"		224			
		1950	N												
		AVERAGES:				205			205			182			

(continued)

TABLE B-1 (continued)

STATE: NEW JERSEY

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				MISCELLANEOUS INFORMATION
					Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	
73 Metuchen	* BL Co	1890													
		1900													
		1910													
		1920	P												
		1930	O												It is uncertain if this site ever manufactured gas
		1940	O												
		1950	-												
		AVERAGES:													
74 Toms River	Ocean County Gas Co	1890													
		1900													
		1910													
		1920	*	W		26			26						
		1930	*	CW		62			62						
		1940	*	CW		72			72			25			
		1950	C												
		AVERAGES:				53			53			25			

(continued)

TABLE B-1 (continued)

STATE: NEW MEXICO

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	======BY-PRODUCTS======= Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Albuquerque	* G Co	1890	*	C	7				7						
			1900	*	C	6				6						
			1910	*	C	2				2						
			1920	*	C	28				28						
			1930	*	C	80				80		(1)	71			
			1940	N												
			1950	N												
			AVERAGES:			25				25			71			
2	Las Vegas	* G&Coke Co	1890	*	C	7				7						
			1900	I												
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			7				7						
3	Santa Fe	* G Co	1890	*	C	5				5						
			1900	X												
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			5				5						
4	Roswell	* G Co	1890													
			1900													
			1910	*	O			7		7	Deal's					
			1920	*	O			12		12	"					
			1930	N												
			1940	N												
			1950	N												
			AVERAGES:					10		10						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	********BY-PRODUCTS********				
						Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Albany	East Albany G L Co	1890	*	?											
			1900	*	?	4				4						
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			4				4						
2	Albany	Municipal Gas Co	1890	*	W		(100)				Lowe (B)					
			1900	*	W		32			32	*					
			1910	*	W		400			400	B, Williamson					
			1920	*	W		743			743	*		540			
			1930	*	CW		1,544			1,544	*					
			1940	*	CW,Coke		98		?	98	*		34			Mostly coke gas; plants in Schenectady,Hudson,Glens Falls ,Gloversville, & Canajoharie.
			1950	*	CW,Coke		785		?	785	*		5,568			
			AVERAGES:				587			587			2,047			
3	Albion	* G L Co	1890	*	C	2				2						
			1900	*	C	5				5						
			1910	*	C	6				6						
			1920	*	C	6				6						
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:			5				5						
4	Amsterdam	Chuctanunda G L Co	1890	*	C	16				16						
			1900	*	C	32				32						
			1910	*	C,W	63	18			81	Lowe					
			1920	*	C,W	65	53			118	*	3	100	3		
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:			44	36			62		3	100	3		

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Attica	* Water Co	1890	*	W		(3)				Lowe					
			1900	N												
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
6	Auburn	* G L Co	1890	*	C	35				35						
			1900	*	C	(30)										
			1910	*	C	110				110						
			1920	*	C	10				10						
			1930	X												Standby status
			1940	-												
			1950	-												
			AVERAGES:			52				52						
7	Batavia	* G L Co	1890	*	W		7				Lowe					
			1900	*	W		16			16	W-C					
			1910	D												
			1920	D												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				16			16						
8	Bath	* Gas Co	1890	*	C	5				5						
			1900	*	C	4				4						
			1910	*	C	6				6						
			1920	*	C	10				10						
			1930	*	CW		18			18						
			1940	N												
			1950	N												
			AVERAGES:			6	18			9						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Binghamton	* G & E Co	1890	*	W		(30)				Lowe (W)					
			1900	*	W		60			60	*					
			1910	*	W		170			170	*					
			1920	*	W		300			300	*					
			1930	*	CW		10			10	*					
			1940	N												
			1950	N												
			AVERAGES:				157			157						
10	Brockport	* G L Co	1890	*	C	3				3						
			1900	*	C	4				4						
			1910	*	C	10				10						
			1920	*	C	12				12		(1)	3			
			1930	P												
			1940	-												
			1950	-												
			AVERAGES:			7				7			3			
11	Brooklyn	* G L Co	1890	*	C	7										
			1900	C												Cons. w/Brooklyn Union Gas Co
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
12	Brooklyn	Citizen's G L Co	1890	*	C	165				165						
			1900	C												Cons. w/Brooklyn Union Gas Co
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			165				165						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13	Brooklyn	Fulton Municipal Gas Co	1890	*	C	800				800	Tessie du Motay					
			1900	*	W		4,000			4,000	Wilkinson					Became "Brooklyn Gas Co."
			1910	*	W		6,900			6,900	B & Wilkinson					
			1920	*	W		10,000			10,000	"					
			1930	*	W		24,144			24,144	"					
			1940	*	CW,Coke		14,554		8,816	23,370	"	590	17,000			100,000 lbs sulfate
			1950	*	W,Coke		26,264		8,000	34,264	"	576	31,500			617,330 lbs naphthalene
			AVERAGES:			800	15,777		8,408	16,040		583	24,250			
14	Brooklyn	Greenpoint GL Co	1890	*	?											
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
15	Brooklyn	Metropolitan GL Co	1890	*	C	165				165	Tessie					
			1900	C												Cons. w/Brooklyn Union Gas Co
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			165				165						
16	Brooklyn	Nassau G L Co	1890	*	C	285				285						
			1900	C												Cons. w/Brooklyn Union Gas Co
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			285				285						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
17 Brooklyn	People's Gas L Co	1890	*	C	200				200						
		1900	C												Cons. w/Brooklyn Union Gas Co
		1910	-												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			200				200						
18 Brooklyn	Union Gas L Co	1890	*	C	35				35						
		1900	C												Cons. w/Brooklyn Union Gas Co
		1910	-												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			35				35						
19 Brooklyn	Williamsburgh G L Co	1890	*	C	300				300						
		1900	C												Cons. w/Brooklyn Union Gas Co
		1910	-												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			300				300						
20 Buffalo	" G L Co	1890	*	C	110				110						
		1900	*	C	600				600						
		1910	*	C	550				550						
		1920	*	C,W	500	250			840		23	36	(-)		
		1930	N												
		1940	N												
		1950	-												
		AVERAGES:			470	250			535		23	36			

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu. ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
21 Buffalo	Citizen's G Co	1890	*	C	100				100						
		1900	C												Cons. w/Buffalo GL Co
		1910	-												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			100				100						
22 Canandaigua	" G L Co	1890	*	C	8				8						
		1900	*	C	6				6						
		1910	*	C	20				20						
		1920	0												
		1930	0												
		1940	-												
		1950	-												
		AVERAGES:			11				11						
23 Catskill	" Gas Works	1890	*	C	3				3						
		1900	*	C	6				6						
		1910	*	C	9				9						
		1920	*	C	11				11		(1)	(3)			
		1930	*	C	24				24		(1)	33			
		1940	0												
		1950	0												
		AVERAGES:			11				11			33			
24 Clifton	Staten Island G L Co	1890	*	W		36			36	Flannery					
		1900	0												
		1910	0												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:				36			36						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

					GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
25	Clifton Springs	" Sanitation Co	1890	*	C	4				4						
			1900	*	C	12				12						
			1910	*	W		12			12						
			1920	*	W		12			12						
			1930	P												
			1940	-												
			1950	-												
			AVERAGES:			8	12			10						
26	Clyde	" G L Co	1890	*	C						Lowe					
			1900	0												
			1910	0												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
27	Cohoes	" G L Co	1890	*	W		(22)				Lowe (G)					
			1900	*	W		?				*					
			1910	0												
			1920	*	W		80			80						
			1930	C												Cons. w/Troy
			1940	-												
			1950	-												
			AVERAGES:				80			80						
28	College Point	" Gas Co	1890	*	C	5				5						
			1900	*	W		5			5	Lowe					
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			5	5			5						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
29	Cooperstown	" L & P Co	1890	*	W		1			1	H-L					
			1900	*	W		1			1	"					
			1910	*	W		3			3	"					
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:				2			2						
30	Corning	" Gas Co	1890	*	C	10				10						
			1900	*	C	20				20						
			1910	*	C	6				6						
			1920	*	C	13				13						
			1930	*	W		57			57						
			1940	N												
			1950	-												
			AVERAGES:			12	57			21						
31	Cortland	Homer & Cortland G L Co	1890	*	C	7				7						
			1900	*	C	8				8						
			1910	*	C	25				25						
			1920	*	C	37				37						
			1930	*	W		58			58			13			
			1940	O												
			1950	O												
			AVERAGES:			19	58			27			13			
32	Dansville	" G L Co	1890	*	O			1		1						
			1900	*	O			4		4						
			1910	*	W		9			9	Lowe					
			1920	*	W		8			8	"					
			1930	P												
			1940	-												
			1950	-												
			AVERAGES:				9	3		6						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

					GAS PRODUCTION RATE (MM cu.ft./YR)						*******BY-PRODUCTS********				
NO. CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
33 Dunkirk	E.C.Perry & Co Gas Works	1890	*	C	7				7						
		1900	*	C	23				23						
		1910	*	C	26				26						
		1920	0												
		1930	0												
		1940	-												
		1950	-												
		AVERAGES:			19				19						
34 East Chester	* G L Co	1890	*	C	20				20						
		1900	0												
		1910	0												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			20				20						
35 Ellenville	* G L Co	1890	*	W		?				Van Steen.					
		1900	0												
		1910	0												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:													
36 Elmira	* Gas Illum. Co	1890	*	C	(30)										
		1900	*	C	37				37						
		1910	*	C	21				21						
		1920	0												
		1930	*	CW		329			329						
		1940	0												
		1950	-												
		AVERAGES:			29	329			129						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
37	Fishkill on Hudson	Fishkill/Matkawan G Works	1890	*	C	(11)										
			1900	*	C	6				6						
			1910	*	C,W	10				10	Low					
			1920	C												Cons. w/Beacon
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			8				8						
38	Flatbush	" Gas Co	1890	*	C	20				20						
			1900	0												
			1910	0												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			20				20						
39	Flushing	" G L Co	1890	*	C	6				6						
			1900	*	W		20			20	Low					
			1910	*	W		150			150	"					
			1920	*	W		359			359	"					
			1930	*	W		169			169	"		179			
			1940	0												
			1950	0												
			AVERAGES:			6	175			141			179			
40	Fort Plain	" G & El Co	1890	*	W		?									
			1900	*	W		2			2						
			1910	*	W		2			2						
			1920	*	W		2			2						
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:				2			2						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
41 Garden City	* G Works	1890	*	W		7				MacKenzie					
		1900	*	W		1			1						
		1910	D												
		1920	D												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:				1			1						
42 Geneseo	* G L Co	1890	*	C	3				3						
		1900	*	C	3				3						
		1910	*	C	4				4						
		1920	*	C	4				4						
		1930	D												
		1940	D												
		1950	-												
		AVERAGES:			4				4						
43 Geneva	* G L Co	1890	*	C	7				7						
		1900	*	C	16				16						
		1910	*	C	105				105						
		1920	P	Coke											
		1930	*	C	904				904		133	1,013			
		1940	D												
		1950	D												
		AVERAGES:			258				258		133	1,013			
44 Glens Falls	* G L Co	1890	*	C	6				6						
		1900	*	C	16				16						
		1910	*	C	30				30						
		1920	*	C	77				77		(3)	(5)			
		1930	*	CW		156			156			87			
		1940	D												
		1950	D												
		AVERAGES:			32	156			57			87			

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
45 Gloversville	" G L Co	1890	*	W		7									
		1900	P												
		1910	*	W		96			96						
		1920	*	W		196			196						
		1930	*	CW		236			236						
		1940	D												
		1950	-												
		AVERAGES:				176			176						
46 Goshen	" G L Co	1890	*	W		3			3	Van Steen.					
		1900	*	W		2			2	" "					
		1910	*	C	4				4						
		1920	*	C	7				7						
		1930	*	C	12				12		(0.5)	12			
		1940	D												
		1950	D												
		AVERAGES:			8	3			6			12			
47 Gravesend	Coney Island G, F & L Co	1890	*	W		10			10	Lowe					
		1900	*	W		50			50	"					
		1910	D												
		1920	*	W		603			603	Loomis					
		1930	*	CW		2,187			2,187	"		316			Plant at Neptune Ave & 12th St
		1940	*	CW		2,253			2,253	"		2,149			(Brooklyn)
		1950	*	CW		3,309			3,309	"		4,117			
		AVERAGES:				1,415			1,415			2,261			
48 Greenbush	East Albany G L Co	1890	*	C	4				4						
		1900	*	C	3				3						
		1910	D												
		1920	D												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			4				4						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	BY-PRODUCTS Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
49	Hastings on Hudson	Dobbs Ferry Hastings G Co	1890	*	W		2			2	Sutherland					
			1900	C												Cons. w/Tarrytown
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				2			2						
50	Haverstraw	Orsborne & Williams G Co	1890	*	W		(7)									
			1900	*	W		7			7						
			1910	*	W		7			7						
			1920	*	W		12			12						
			1930	*	CW		(8)									
			1940	D												
			1950	D												
			AVERAGES:				9			9						
51	Hempstead	" G L Co	1890	*	C	(3)										
			1900	*	C	4				4						
			1910	D												
			1920	D												
			1930	*	W		606			606			545			
			1940	*	W		900			900			600			
			1950	*	W		1,458			1,458			1,352			
			AVERAGES:			4	988			742			832			
52	Herkimer	" G L Co	1890	*	W		2			2	Sutherland					
			1900	C												Cons. w/Ilion
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				2			2						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO. CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS********* Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
53 Hoosick Falls	* G L Co	1890	*	C	(0)										
		1900	*	C	2				2						
		1910	*	C	9				9						
		1920	O												
		1930	O												
		1940	-												
		1950	-												
		AVERAGES:			6				6						
54 Hornellsville	* G L Co	1890	*	W		6			6	P-E					
		1900	N												
		1910	-												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:				6			6						
55 Hudson	* L & P Co	1890	*	C	9				9						
		1900	O												
		1910	*	C	15				15						
		1920	*	C	23				23						
		1930	*	CW		73			73			8			
		1940	O												
		1950	O												
		AVERAGES:			16	73			30			8			
56 Huntington	Empire G & El Co	1890	*	W		(0)				Lowe					
		1900	*	W		9			9	"					
		1910	*	W		6			6	Lowe & Ga.					
		1920	O												
		1930	O												
		1940	-												
		1950	-												
		AVERAGES:				8			8						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO. CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/ PROCESS	BY-PRODUCTS				MISCELLANEOUS INFORMATION
					Coal	Water	Oil	Coke	Total		Coke	Tar	Ammonia	Other	
57 Ilion	" & Mohawk G L Co	1890	*	C	4				4						
		1900	*	C	7				7						
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			6				6						
58 Islip of Bay Shore	" G L Co	1890	*	W		(5)				Sutherland					
		1900	O												
		1910	O												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:													
59 Ithaca	" G L Co	1890	*	C	(12)										
		1900	*	C	10				10						
		1910	*	C	40				40						
		1920	*	C,W	26	67			93						
		1930	*	CW		164			164						
		1940	*	W		247			247						Plants at Granville,Mechanicville,Norwich,Oneonta,Plattsburg (NY)
		1950	*	W		354			354						
		AVERAGES:			28	208			153			8			
60 Jamaica	" G L Co	1890	*	C	(6)										
		1900	*	C	20				20						
		1910	P												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			20				20						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	BY-PRODUCTS Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
61	Jamestown	" G L Co	1890	*	W		(22)				H-C					
			1900	*	W		6			6	"					
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				6			6						
62	Johnstown	" & Gloversville G Co	1890	*	W		10			10	Lowe (H)					
			1900	*	W		48			48	"					
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				29			29						
63	Kingston	Rondout & Kingston G L Co	1890	*	W		20			20	A.Harris,Bo.					
			1900	*	W		19			19	"					
			1910	*	W		63			63	"					
			1920	*	C,W	62	53			115	"	(3)	16			
			1930	*	W		274			274	"		60			
			1940	O												
			1950	O												
			AVERAGES:			62	86			98			38			
64	LeRoy	" G L Co	1890	*	C	2				2						
			1900	*	W		300			300	Gray					
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			2	300			151						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
65 Little Falls	* G L Co	1890	*	C	8				8						
		1900	C												Cons. w/Ilion
		1910	-												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			8				8						
66 Lockport	* G L Co	1890	*	C	14				14						
		1900	*	C	30				30						
		1910	*	C	49				49						
		1920	*	C,W	59	68			127		(-)	(-)	(-)		
		1930	P												
		1940	-												
		1950	-												
		AVERAGES:			38	68			55						
67 Long Island City	East River G L Co	1890	*	C,W	30				30						
		1900	C												Cons. w/New York City
		1910	-												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			30				30						
68 Lyons	* G L Co	1890	*	C	2				2						
		1900	*	C	8				8						
		1910	*	C	3				3						
		1920	P												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			4				4						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
69 Malone	* G L Co	1890	*	C	2				2						
		1900	*	C	(4)										
		1910	*	C	4				4						
		1920	*	C	15				15		(-)	(2)			
		1930	*	C	22				22		(1)	7			
		1940	*	C	13				13		1	8			
		1950	D												
		AVERAGES:			11				11		1	8			
70 Medina	* G L Co	1890	*	?											
		1900	D												
		1910	*	C	5				5						
		1920	*	C	7				7						
		1930	D												
		1940	D												
		1950	-												
		AVERAGES:			6				6						
71 Middletown	* G & El Co	1890	*	C	14				14						
		1900	*	C	14				14						
		1910	*	W		35			35						
		1920	*	W		95			95						
		1930	D												
		1940	D												
		1950	-												
		AVERAGES			14	65			40						
72 Milton	Ballston Spa G L Co	1890	*	W		2			2	W-L					
		1900	D												
		1910	D												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:				2			2						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	******BY-PRODUCTS*******				
					Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
73 Mount Vernon	East Chester G Co	1890	*	C	(6)										
		1900	*	C	84				84						
		1910	*	W		1,090			1,090	Lowe					
		1920	*	W		2,400			2,400	"		480			
		1930	*	W		590			590	"		385			Most gas purchased
		1940	P												
		1950	-												
		AVERAGES:			84	1,360			1,041			433			
74 Newburgh	Consumer's Gas Co	1890	*	W		25			25	Martin					
		1900	*	W		32			32	Lowe					
		1910	*	W		78			78	"					
		1920	O												
		1930	*	CW		314			314			133			
		1940	O												
		1950	O												
		AVERAGES:				112			112			133			
75 New Rochelle	" G & Fuel Co	1890	*	W		6			6	Lowe (K-C)					
		1900	*	W		37			37	"					
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:				22			22						
76 New York City	Central G L Co	1890	*	C	7										
		1900	*	C	26				26						
		1910	*	C,W	600	1,200			1,800						
		1920	*	C,W	800	2,640			3,440						
		1930	*	C,W	815	2,770			3,585		52	882	153		840,100 lbs ammonia sulfate, also 117,640 lbs cyanogen;50,000 lb ammonia liquor
		1940	O												
		1950	O												
		AVERAGES:			560	2,203			2,213		52	882	153		

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
77	New York City	Consolidated Gas Co	1890	*	C,W	?										
			1900	*	C,W	6,000				6,000						
			1910	*	C,W	14,900				14,900						
			1920	*	C,W	3,370	7,220			10,590		(544)	4,600			
			1930	*	W,Coke		5,919		8,030	13,949						
			1940	*	W		41,109			41,109						
			1950	*	W,Coke		45,973		10,794	56,767						
			AVERAGES:			8,090	25,055		9,412	23,886			4,600			
78	New York City	Equitable G L Co	1890	*	W		1,250			1,250	Jerman.					
			1900	*	W		?				Lowe(Wil)					
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				1,250			1,250						
79	New York City	NY Mutual G L Co	1890	*	W		850			850	Wl					
			1900	*	W		1,900			1,900	*					
			1910	*	W		1,810			1,810	Lowe					
			1920	*	W		?				*					
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:				1,520			1,520						
80	New York City	Northern G L Co	1890	*	C	?										
			1900	*	C	150				150						
			1910	*	C	770				770						
			1920	*	C	1,940				1,940						
			1930	P												
			1940	-												
			1950	-												
			AVERAGES:			953				953						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	BY-PRODUCTS Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
81	New York City	Standard G L Co	1890	+	W		360			360	Fl					
			1900	+	W		?				Lowe					
			1910	+	W		2,000			2,000	"					
			1920	+	W		2,500			2,500	"					
			1930	+	CW		4,518			4,518	"					
			1940	D												
			1950	D												
			AVERAGES:				2,345			2,345						
82	Niagara Falls	" G L Co	1890	+	C	8				8						
			1900	+	C	10				10						
			1910	+	C	30				30						
			1920	+	C	49				49		(3)	(-)	(-)		
			1930	P												
			1940	-												
			1950	-												
			AVERAGES:			24				24						
83	Norwich	" L & P Co	1890	+	C	(6)										
			1900	D												
			1910	+	W		15			15	Lowe					
			1920	+	W		30			30	"					
			1930	+	CW		44			44	"		44			
			1940	D												
			1950	B												
			AVERAGES:				30			30						
84	Nyack	" & Warren G L Co	1890	+	W		4			4	H-L					
			1900	+	W		10			10	"					
			1910	+	W		26			26	Lowe					
			1920	+	W		37			37	"					
			1930	+	CW		216			216	"					
			1940	N												
			1950	-												
			AVERAGES:				59			59						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	BY-PRODUCTS Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
85	Ogdensburg	* G L Co	1890	*	C	(13)										
			1900	*	C	7				7						
			1910	*	C	16				16						
			1920	*	C	27				27		(1)	(-)			
			1930	*	C	(15)										
			1940	N												
			1950	-												
			AVERAGES:			17				17						
86	Oneida	* G L Co	1890	*	C	(8)										
			1900	*	C	4				4						
			1910	*	C,W	13				13	Lowe					
			1920	B												
			1930	P												
			1940	-												
			1950	-												
			AVERAGES:			9				9						
87	Oneonta	* El & P Co	1890	*	W		(8)				Van Steen.					
			1900	*	W		4			4	"					
			1910	*	W		13			13	Lowe					
			1920	*	W		25			25	"					
			1930	*	CW		58			58	"					
			1940	B												
			1950	B												
			AVERAGES:				25			25						
88	Oswego	* G L Co	1890	*	C	(23)										
			1900	*	C	16				16						
			1910	*	C	45				45						
			1920	*	C	58				58		3	76	7		
			1930	*	C	79				79		6	100	5		
			1940	B												
			1950	B												
			AVERAGES:			50				50		5	92	6		

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				MISCELLANEOUS INFORMATION
					Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	
89 Owego	* G L Co	1890	*	C	(6)										
		1900	*	C	6				6						
		1910	*	C	7				7						
		1920	*	C	12				12						
		1930	*	C	15				15		1	14			
		1940	N												
		1950													
		AVERAGES:			10				10		1	14			
90 Palmyra	* G L Co	1890	*	C	2				2						
		1900	*	C	2				2						
		1910	*	C	4				4						
		1920	P												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			3				3						
91 Peekskill	* G L Co	1890	*	?											
		1900	*	W		11			11	Lowe					
		1910	*	W		34			34	"					
		1920	*	W		52			52	"					Conn. W/Westchester
		1930	C												
		1940	-												
		1950	-												
		AVERAGES:				32			32						
92 Penn Yan	* G L Co	1890	*	C	4				4						
		1900	*	C	6				6						
		1910	*	C	8				8						
		1920	*	C	10				10						
		1930	*	C	22				22						
		1940	D												
		1950	D												
		AVERAGES:			10				10						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	BY-PRODUCTS Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
93 Plattsburgh	" L, H & P Co	1890	*	W		4			4	Lowe					
		1900	*	W		8			8	"					
		1910	*	W		24			24	"					
		1920	*	W		46			46	"					
		1930	*	W		71			71	"					
		1940	D												
		1950	D												
		AVERAGES:				31			31						
94 Port Chester	Citizen's G L Co of West.	1890	*	W		(11)				Wl, Kennedy					
		1900	*	W		23			23	"					
		1910	D												
		1920	D												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:				23			23						
95 Port Henry		1890	*	W		1			1	H-L					
		1900	*	W		1			1	Ruther.					
		1910	*	W		1			1	"					
		1920	D												
		1930	D												
		1940	-												
		1950	-												
		AVERAGES:				1			1						
96 Port Jervis	" G L Co	1890	*	W		6			6	Lowe					
		1900	*	W		8			8	"					
		1910	*	W		10			10	"					
		1920	D												
		1930	D												
		1940	-												
		1950	-												
		AVERAGES:				8			8						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS*********				
					Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
97 Poughkeepsie	" G Co	1890	*	W		40			40	Allen-Harris					
		1900	*	W		43			43	Lowe					
		1910	*	W		110			110	*					
		1920	*	W		394			394	*					
		1930	*	W		397			397	*		211			
		1940	*	CW		1,370			1,370	*		1,065			
		1950	N												
		AVERAGES:				392			392			1,030			
98 Rhinebeck	" G Co	1890	*	G			(2)								
		1900	*	G			1		1						
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:					1		1						
99 Rochester	Citizen's Gas Co	1890	*	C	100				100						
		1900	*	C	350				350						
		1910	*	C,W	365	709			1,074						
		1920	*	C,W	1,530	1,070			2,600		(40)	(270			
		1930	*	C,CW	3,670	1,104			4,774		200	3,984			
		1940	*	CW,Coke		507		4,553	5,060						
		1950	*	Coke				4,438	4,438						
		AVERAGES:			1,203	848		4,496	2,628		200	3,984			
100 Rochester	Municipal G L Co	1890	P												It is uncertain if this site ever manufactured gas
		1900	B												
		1910	O												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
101	Rochester	* G L Co	1890	*	C	90				90						
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			90				90						
102	Rome	* GL Co	1890	*	C	8				8						
			1900	*	C	13				13						
			1910	*	C,W	26	18			44	Lowe					
			1920	*	C,W	124	8			132	*	(5)	(-)			
			1930	C												Cons. w/Watertown
			1940	O												
			1950	-												
			AVERAGES:			43	13			49						
103	Sag Harbor	United Gas Improve. Co	1890	*	W		2			2	Lowe					
			1900	*	W		4			4	*					
			1910	*	W		15			15	*					
			1920	*	W		19			19	*					
			1930	P												
			1940	-												
			1950	-												
			AVERAGES:				10			10						
104	Salamanca	* Gas Co	1890	*	W		(5)				H-C					
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******* Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
105	Saratoga Springs	G & E L Co	1890	*	W		(12)				Lowe					
			1900	*	W		25			25	"					
			1910	*	W		44			44	"					
			1920	*	W		64			64	"					
			1930	I												
			1940	-												
			1950	-												
			AVERAGES:				44			44						
106	Saugerties	" G L Co	1890	*	C	4				4						
			1900	*	C	5				5						
			1910	*	C	6				6						
			1920	*	C	10				10						
			1930	P												
			1940	P												
			1950	0												
			AVERAGES:			6				6						
107	Schenectady	" G L Co	1890	*	C	14				14						
			1900	*	C	25				25						
			1910	*	C,W	100				160	Lowe					
			1920	*	C,W	333	231			564	"	(15)	(-)	(-)		
			1930	I												
			1940	-												
			1950	-												
			AVERAGES:			130	231			196						
108	Seneca Falls	" & Water Works G L Co	1890	*	C	8				8						
			1900	*	C	7				7						
			1910	P												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			8				8						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO. CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	BY-PRODUCTS Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
109 Sing Sing	G Mfg Co	1890	*	C	(7)										
		1900	*	C	15				15						
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			15				15						
110 Stapleton	Richmond City G L Co	1890	*	W		38			38	Flannery					
		1900	*	W		70			70	Lowe					
		1910	*	W		275			275	"					
		1920	*	W		554			554	"					
		1930	*	W		937			937	"		365			
		1940	*	W		965			965	"					
		1950	*	W		995			995	"		1,157			
		AVERAGES:				548			548			761			
111 Syracuse	" G L Co	1890	*	C	(95)										
		1900	O												
		1910	*	C,W	535				535						
		1920	*	C,W	1,200				1,200			(9)			
		1930	*	C,W	2,155	338			2,493		(14)	2,352	951		
		1940	*	W		508			508		43	809			
		1950	*	W		1			1						
		AVERAGES:			1,297	282			947		43	1,581	951		
112 Tarrytown	" & Irvington G L Co	1890	*	W		12			12						
		1900	*	W		18			18	Allen-Harris					
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:				15			15						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
113 Tonawanda	" G L Co	1890	*	C	16				16						
		1900	*	C	17				17						
		1910	*	C	78				78						
		1920	*	C	0										
		1930	P												
		1940	-												
		1950	-												
		AVERAGES:			37				37						
114 Troy	" G Co	1890	*	W		130			130	H.C. Shields					
		1900	*	W		155			155	"					
		1910	*	W		306			306	"					
		1920	*	W		476			476	"					
		1930	P												
		1940	-												
		1950	-												
		AVERAGES:				267			267						
115 Utica	Equitable G & E Co	1890	*	W		(45)				J(D)					
		1900	*	W		90			90	G-C					
		1910	*	W		380			380	Lowe(WL)					
		1920	*	W		746			746	"					
		1930	*	W		1,656			1,656	"	131	2,191			3,852,000 lbs sulfate
		1940	*	C,W	2,194	244			2,438		130	2,111			
		1950	*	C	1,825				1,825						
		AVERAGES:			2,010	623			1,189		131	2,151			
116 Wappinger Falls	Franklindale Co	1890	*	C	(4)										
		1900	*	C	1				1						
		1910	D												
		1920	D												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			1				1						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	BY-PRODUCTS Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
117	Warsaw	Citizen's G L Co	1890	*	W		2			2	H-C					
			1900	*	W		2			2	"					
			1910	*	W		2			2	"					
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:				2			2						
118	Watertown	" G L Co	1890	*	C	(12)										
			1900	*	C	22				22						
			1910	*	C,W	84	6			90	Lowe					
			1920	*	C,W	100	42			142	"	(2)	12	(-)		
			1930	*	C,W	321	47			368	"	(5)	405			84,700 gallons coal liquor
			1940	*	C	155				155		8	245			
			1950	*	W		201			201	"					
			AVERAGES:			136	94			176		8	221			
119	Waterville	" G L Co	1890	*	W		2			2	Lowe					
			1900	*	W		3			3	"					
			1910	*	W		2			2	"					
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:				2			2						
120	Watkins	" G Co Ltd	1890	*	C	(3)										
			1900	*	C	5				5						
			1910	O												
			1920	*	C	1				1						
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:			3				3						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
121	Waverly	G L Co of Waverly	1890	*	W		3			3	Lowe					
			1900	*	W		15			15	"					
			1910	*	W		12			12	"					
			1920	*	W		16			16	"					
			1930	P												
			1940	-												
			1950	-												
			AVERAGES:				12			12						
122	Westfield	" Gas Works	1890	*	?											
			1900	N												
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
123	West Troy	Municipal G Co	1890	*	?											
			1900	P												
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
124	Whitehall	" G L Co	1890	*	C	(3)										
			1900	*	C	(5)										
			1910	B												
			1920	B												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
125	White Plains	* G L Co	1890	*	W		5			5	Slade					
			1900	*	W		15			15						
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				10			10						
126	Yonkers	* G L Co	1890	*	W		90			90	Lowe					
			1900	C												Cons. w/Municipal G Co-Yonkers
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				90			90						
127	Yonkers	Municipal Gas Co	1890	*	W		7									
			1900	*	W		212			212						
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				212			212						
128	Yonkers	Westchester Gas L Co	1890	*	W		90			90	Lowe					
			1900	C												Cons. w/Municipal G Co-Yonkers
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				90			90						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	BY-PRODUCTS Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
129	Ballston Spa	* L & P Co	1890													
			1900	*	C	2				2						
			1910	X												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			2				2						
130	Bay Shore	Suffolk G & E L Co	1890													
			1900	*	W		12			12	Lowe					
			1910	*	W		32			32	"					
			1920	*	W		117			117	"					
			1930	*	W		734			734	"					
			1940	*	W		2,180			2,180	"					
			1950	*	W		5,715			5,715	"					
			AVERAGES:				1,465			1,465						
131	Buffalo	People's G L & Coke Co	1890													
			1900	*	?											Under construction
			1910	*	?											
			1920	D												
			1930	D												
			1940	-												
			1950	-												
			AVERAGES:													
132	Fort Edward		1890													
			1900	*	C											Under construction
			1910	D												
			1920	D												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
133	Newark	* G, L & Fuel Co	1890													
			1900	*	C	7										
			1910	*	C	8				8						
			1920	*	C	34				34						
			1930	P												
			1940	-												
			1950	-												
			AVERAGES:			21				21						
134	New Utrecht (LI)	King's County G & Illu Co	1890													
			1900	*	W		125			125	Meese					
			1910	D												
			1920	D												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				125			125						
135	Rensselaer	East Albany L Co	1890													
			1900	*	C	4				4						
			1910	*	C	7				7						
			1920	*	C	18				18						
			1930	D												
			1940	D												
			1950	-												
			AVERAGES:			10				10						
136	Rockaway Beach (LI)	Hempstead E L Co	1890													
			1900	*	W		15			15	Lowe					
			1910	D												
			1920	D												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				15			15						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
137 Brooklyn	Flatbush Gas Co	1890													
		1900													
		1910	*	C	500				500						
		1920	P												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			500				500						
138 Brooklyn	King's County Lt Co	1890													
		1900													
		1910	*	W		520			520	Lowe					
		1920	*	W		1,400			1,400	"					
		1930	*	CW		2,739			2,739	"					
		1940	*	CW		2,012			2,012	"		2,314			
		1950	*	CW		3,755			3,755	"		3,233			
		AVERAGES:				2,245			2,245			2,074			
139 Far Rockaway	Queen's Borough G & E Co	1890													
		1900													
		1910	*	W		142			142	Lowe					
		1920	*	W		520			520	"					
		1930	*	W		2,600			2,600	"		1,314			
		1940	*	W		3,194			3,194	"		2,800			
		1950	*	W		4,639			4,639	"		4,281			
		AVERAGES:				2,221			2,221			2,798			
140 Fredonia	" Nat G L Co	1890													
		1900													
		1910	*	C	10				10						
		1920	O												
		1930	O												
		1940	-												
		1950	-												
		AVERAGES:			10				10						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
141 Free Port	Nassau, Suffolk Light Co	1890													
		1900													
		1910	*	W		111			111	Lowe					
		1920	*	W		450			450	"					
		1930	D												
		1940	D												
		1950	-												
		AVERAGES:				281			281						
142 Fulton	" Fuel & Light Co	1890													
		1900													
		1910	*	C,W	25				25						
		1920	*	C,W	29				29		(1)	(-)			
		1930	*	C,W	43	3			46		3	44			
		1940	D												
		1950	B												
		AVERAGES:			32	3			33		3	44			
143 Glenn Cove	Sea Cliff & Glenn Cove Ga	1890													
		1900													
		1910	*	W		12			12	Lowe					
		1920	*	W		24			24	"					
		1930	D												
		1940	D												
		1950	-												
		AVERAGES:				18			18						
144 Granville	" E&G Co	1890													
		1900													
		1910	*	W	(5)					Lowe					
		1920	*	W		7			7	"					
		1930	*	CW		9			9	"					
		1940	D												
		1950	B												
		AVERAGES:				8			8						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO.	CITY					GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS*********				
			YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
145	Mechanicsville	Half Moon LH&P Co	1890													
			1900													
			1910	*	W		3			3	Lowe					
			1920	*	W		15			15	"					
			1930	*	CW		37			37	"					
			1940	0												
			1950	0												
			AVERAGES:				18			18						
146	Newtown	* G Co	1890													
			1900													
			1910	P												It is uncertain if this site ever manufactured gas
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
147	New York City	New Amsterdam G Co	1890													
			1900													
			1910	*	W		4,000			4,000	Lowe					Plant in Ravenswood, LI
			1920	*	W		6,200			6,200	"		1,457			
			1930	*	W		2,617			2,617	"					
			1940	0												
			1950	0												
			AVERAGES:				4,272			4,272			1,457			
148	Ossining	Northern Westchester L Co	1890													
			1900													
			1910	*	W		25			25	Lowe					
			1920	*	W		66			66	"					
			1930	0												
			1940	0												
			1950	-												
			AVERAGES:				46			46						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO. CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	BY-PRODUCTS Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
149 Patchogue	" G Co	1890													
		1900													
		1910	*	W		13			13	Lowe					
		1920	P												
		1930	I												Standby status
		1940	-												
		1950	-												
		AVERAGES:				13			13						
150 Sandy Hill	United Gas E&F Co	1890													
		1900													
		1910	*	C	10				10						
		1920	P												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			10				10						
151 Suffern	" G Co	1890													
		1900													
		1910	*	W		8			8	Lowe					
		1920	*	W		7			7	"					
		1930	D												
		1940	D												
		1950	-												
		AVERAGES:				8			8						
152 Westchester	The Bronx G&F Co	1890													
		1900													
		1910	*	W		110			110	Lowe					
		1920	D												
		1930	D												
		1940	-												
		1950	-												
		AVERAGES:				110			110						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS********* Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
153	West Point	* Govt. Reservation	1890													
			1900													
			1910	*	C	15				15						
			1920	*	C	15				15						
			1930	*	C	7										
			1940	O												
			1950	O												
			AVERAGES:			15				15						
154	Astoria	* LH&P Co	1890													
			1900													
			1910													
			1920	*	C,W	4,440	6,650			11,090						
			1930	*	C,W	3,865	19,979			23,844		254	16,220	565		5,070,140 lbs ammonium sulfate
			1940	O												
			1950	O												
			AVERAGES:			4,153	13,315			17,467		254		565		
155	Beacon	Southern Duchess G Co	1890													
			1900													
			1910													
			1920	*	W		10			10	Lowe (Gu)					
			1930	*	CW		2			2	"					
			1940	O												
			1950	O												
			AVERAGES:				6			6						
156	New York City	Bronx G&E Co	1890													
			1900													
			1910													
			1920	*	W		230			230	Lowe					Plant at Zerega Ave
			1930	I												
			1940	-												
			1950	-												
			AVERAGES:				230			230						

(continued)

TABLE B-1 (continued)

STATE: NEW YORK

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
157	Saranac Lake	Mountain G Co	1890													
			1900													
			1910													
			1920													
			1930	*	W		17			17						
			1940	*	W		15			15						
			1950	0												
			AVERAGES:				16			16						
158	Troy	Hudson Valley Fuel Corp	1890													
			1900													
			1910													
			1920													
			1930													
			1940	*	W,Coke		1,899		5,273	7,172		(6)	3,390			11,519,130 lbs ammonium sulfate
			1950	0												
			AVERAGES:				1,899		5,273	7,172			3,390			

(continued)

TABLE B-1 (continued)

STATE: NORTH CAROLINA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Charlotte	* GL Co	1890	*	C,W	8				8	Lowe					
			1900	*	C,W	17				17	*					
			1910	*	C,W	45				45	*					
			1920	*	C,W	200				200	*					
			1930	*	C,CW	195	161			356	*	(6)	234			
			1940	0												
			1950	*	C,CW	642				642						
			AVERAGES:			185	161			211			234			
2	Fayetteville	* GL Co	1890	*	C	(8)										
			1900	*	C	(5)										
			1910	*	C,W	9				9	Lowe					
			1920	*	C,W	15				15	*					
			1930	*	CW		24			24	*					
			1940	0												
			1950	0												
			AVERAGES:			12	24			16						
3	Goldsboro	Water, G&EL Co	1890	*	?											
			1900	0												
			1910	0												
			1920	*												
			1930	0												
			1940	0												
			1950	-												
			AVERAGES:													
4	Greensboro	* G&EL Co	1890	*	C	4				4						
			1900	*	C	9				9						
			1910	*	C	24				24						
			1920	*	C	70				70		(8)	20			
			1930	*	C,W	144	89			233		(4)	149			
			1940	*	C,W	145	54			199						
			1950	*	W		359			359						
			AVERAGES:			66	167			128			85			

(continued)

TABLE B-1 (continued)

STATE: NORTH CAROLINA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	PURIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Henderson	The " E&GL Co	1890	*	?					(4)						
			1900	0												
			1910	0												
			1920	*	W		15			15						
			1930	*	CW		15			15						
			1940	*	CW		10			10						
			1950	N												
			AVERAGES:				13			13						
6	New Berne	" GL Co	1890	*	W		(8)				Lime					
			1900	*	W		3			3	"					
			1910	*	W		6			6	"					
			1920	*	W		8			8	"					
			1930	*	CW		18			18	"					
			1940	0												
			1950	0												
			AVERAGES:				9			9						
7	Raleigh	" G Co	1890	*	C	(12)										
			1900	*	C	13				13						
			1910	*	C,W	19	19			38	Lime					
			1920	*	C	73				73		(4)	(-)	(5)		
			1930	*	C,W	203	11			214	Lime	(10)	205			
			1940	*	C,W	195	31			226	"					
			1950	*	W		322			322	"		107			
			AVERAGES:			101	96			148			156			
8	Salem	" GL Co	1892	*	?											
			1900	0												
			1910	0												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: NORTH CAROLINA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS********* Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Salisbury	* G&EL Co	1890	*	?											Rosin feedstock
			1900	*	C	2				2						
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			2				2						
10	Wilmington	* GL Co	1890	*	C	12				12						
			1900	*	C	10				10						
			1910	*	C	36				36						
			1920	*	C,W	28	32			60	Lowe	4	79			
			1930	*	C,W	69	69			138	*					
			1940	*	C,CW	79	197			276	*					
			1950	*	CW		497			497	*		181			
			AVERAGES:			39	199			147		4	130			
11	Asheville	* E Co	1890													
			1900													
			1910	*	W		?				Edgerton					
			1920	*	C	6				6		(1)	20			
			1930	*	C	94				94		(3)	30			
			1940	*	C	114				114		(1)	116			
			1950	*	C	197				197		0	161			
			AVERAGES:			103				103		0				
12	Durham	* L&P Co	1890													
			1900													
			1910	*	C	16				16						
			1920	*	C	51				51		(1)	25			
			1930	*	C,W	87	25			112		(5)	270			
			1940	*	C,W	132	49			181						
			1950	*	W		324			324			97			
			AVERAGES:			72	133			137						

(continued)

TABLE B-1 (continued)

STATE: NORTH CAROLINA

NO. CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13 Goldsboro	* G Co	1890													
		1900													
		1910	*	?											Under construction
		1920	*	W		25			25			5			
		1930	*	CW		15			15						
		1940	D												
		1950	N												
		AVERAGES:				20			20			5			
14 Salisbury	* &Spencer Railway Co	1890													
		1900													
		1910	*	C,W	17				17	Lowe					
		1920	*	C,W	36	4			40	"					
		1930	*	C	50				50	"	(2)	40			
		1940	0												
		1950	0												
		AVERAGES:			34	4			36			40			
15 Washington	* L&W Co	1890													
		1900													
		1910	*	W		10			10	Lowe					
		1920	*	W		18			18	"					
		1930	*	CW		19			19	"					
		1940	0												
		1950	0												
		AVERAGES:				16			16						
16 Winston-Salem	* L&E Co	1890													
		1900													
		1910	*	C	21				21						
		1920	*	C,W	68	17			85	Lowe	(2)		(-)		
		1930	*	C,W	139	10			149	"	7	145			
		1940	*	C,W	129	19			148	"					
		1950	*	W		328			328	"					
		AVERAGES:			89	94			146		7	145			

(continued)

TABLE B-1 (continued)

STATE: NORTH CAROLINA

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
17 Concord	&Kannapolis G Co	1890													
		1900													
		1910													
		1920	*	C,W	18				18	Lowe					
		1930	*	C,W	30	1			31	"	(0.2)	24			
		1940	*	C	39				39		2	40			
		1950	N												
		AVERAGES:			29	1			29		2	32			
18 Elizabeth City	S G Improvement Co	1890													
		1900													
		1910													
		1920	*	W		12			12	Lowe					
		1930	*	CW		18			18	"					
		1940	*	CW		18			18	"					
		1950	N												
		AVERAGES:				16			16						
19 Gastonia	* &Suburban G Co	1890													
		1900													
		1910													
		1920	*	W		15			15						
		1930	*	W		34			34						
		1940	*	W		43			43						
		1950	*	W		136			136			47			
		AVERAGES:				57			57			47			
20 High Point	N Carolina Pub Serv Co	1890													
		1900													
		1910													
		1920	*	C	16				16						
		1930	*	C,W	62	106			168		(1)	53			
		1940	*	C	56				58						
		1950	N												
		AVERAGES:			45	106			81			53			

(continued)

TABLE B-1 (continued)

STATE: NORTH CAROLINA

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
21 Rocky Mount	" Pub Wks G Dept	1890													
		1900													
		1910													
		1920	*	W		44			44						
		1930	O												
		1940	*	CW		115			115			40			
		1950	*	CW		160			160						
		AVERAGES:				109			109			40			
22 Statesville	Gas Dept, City of "	1890													
		1900													
		1910													
		1920	*	C,W	5				5	Lowe					
		1930	*	C,W	19				19	"					
		1940	*	CW		27			27	"		20			
		1950	N												
		AVERAGES:			12	27			17			20			
23 Wilson	Town of ", G Dept	1890													
		1900													
		1910													
		1920	*	W		36			36	Tenney					
		1930	O												
		1940	*	W		54			54						
		1950	N												
		AVERAGES:				45			45						
24 Greenville	Carolina G&E Co	1890													
		1900													
		1910													
		1920													
		1930	*	CW		22			22						
		1940	*	CW		36			36						
		1950	N												
		AVERAGES:				29			29						

(continued)

TABLE B-1 (continued)

STATE: NORTH CAROLINA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
25	Hickory	Piedmont Util Co	1890													
			1900													
			1910													
			1920													
			1930	*	W		(19)									
			1940	O												
			1950	O												
			AVERAGES:													
26	Kinston	Carolina G&E Co	1890													
			1900													
			1910													
			1920													
			1930	*	W		(20)						8			
			1940	O												
			1950	O												
			AVERAGES:										8			
27	Lexington	N Carolina G Co	1890													
			1900													
			1910													
			1920													
			1930	*	W		14			14						
			1940	*	CW		27			27						
			1950	N												
			AVERAGES:				21			21						
28	Reidsville	N Carolina G Co	1890													
			1900													
			1910													
			1920													
			1930	*	CW		6			6						
			1940	*	CW		15			15						
			1950	N												
			AVERAGES:				11			11						

(continued)

TABLE B-1 (continued)

STATE: NORTH DAKOTA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	BY-PRODUCTS				MISCELLANEOUS INFORMATION
						Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	
1	Fargo	* G&E Co	1890	*	C	1				1						
			1900	*	C	5				5						
			1910	*	C	53				53						
			1920	*	C	139				139		(3)	(-)			
			1930	*	C,W	185	27			212		(3)	270			
			1940	*	C,W	197	5			202		(4)	313			
			1950	*	C,W	218	102			320		9	414			
			AVERAGES:			114	45			133		9	332			
2	Grand Forks	* G&E Co	1890	*	C,W	9				9	Lowe (B)					
			1900	*	C,W	25				25	*					
			1910	*	C,W	16	24			40	*					
			1920	*	C,W	56				56	*					
			1930	*	C,W	81	15			96	*					
			1940	*	C,W	71	28			99	*	(-)	71			
			1950	N												
			AVERAGES:			43	22			54			71			
3	Grand Forks	Dual City G Co	1890													It is uncertain if this site ever manufactured gas
			1900	P												
			1910	-												
			1920	-												
			1930	-												
			1949	-												
			1950	-												
			AVERAGES:													
4	Ellendale	* L&P Co	1890													
			1900													
			1910	*	W		3			3	Tenney					
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:				3			3						

(continued)

TABLE B-1 (continued)

STATE: NORTH DAKOTA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Jamestown	* G Co	1890													
			1900													
			1910	*	C	4				4						
			1920	*	C	10				10						
			1930	*	CW		18			18						
			1940	*	CW		13			13						
			1950	N												
			AVERAGES:			7	16			11						
6	Bismarck	* G Co	1890													
			1900													
			1910													
			1920	*	C	15				15		(0.1)				
			1930	N												
			1940	N												
			1950	N												
			AVERAGES:			15				15						
7	Valley City	* G Co	1890													
			1900													
			1910													
			1920	*	W		19			19						
			1930	0												
			1940	0												
			1950	-												
			AVERAGES:				19			19						
8	Minnot	* G Co	1890													
			1900													
			1910													
			1920													
			1930	*	CW		35			35	Tenney					
			1940	*	CW		43			43	"					
			1950	N												
			AVERAGES:				39			39						

(continued)

TABLE B-1 (continued)

STATE: OHIO

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Akron	* G L Co	1890	*	C	(25)										
			1900	*	C	50				50						
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			50				50						
2	Akron	* L, H & P Co	1890	*	W		?									Under construction
			1900	0												
			1910	0												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
3	Alliance	* G L Co	1890	*	C	(8)										
			1900	*	C	8				8						
			1910	*	C	25				25						
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:			17				17						
4	Ashland	* Gas Works	1890	*	C	5				5						
			1900	*	C	7				7						
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			6				6						

(continued)

TABLE B-1 (continued)

STATE: OHIO

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Ashtabula	* G L Co	1890	*	C	4				4						
			1900	*	C	14				14						
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			9				9						
6	Athens	* G & E Co	1890	*	C	6				6						
			1900	N												
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			6				6						
7	Barnesville	* G L & Coke Co	1890	*	C	2				2						
			1900	*	C	(4)										
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			2				2						
8	Bellaire	* G & E Co	1890	*	C	17				17						
			1900	*	C	10				10						
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			14				14						

(continued)

TABLE B-1 (continued)

STATE: OHIO

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Bellefontaine	* Gas Co	1890	*	C	8				8						
			1900	*	W		18			18	Lowe					
			1910	*	W		40			40	*					
			1920	*	W		65			65	*	(1)	12	9		
			1930	*	W		?				*					
			1940	*	W		?				*					
			1950	*	W		?				*					
			AVERAGES:			8	41			33			12	9		
10	Bucyrus	* G L & Fuel Co	1890	*	W		5			5	Lowe (5)					
			1900	*	W		10			10	*					
			1910	*	W		11			11	*					
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:				9			9						
11	Cadiz	* G L Co	1890	*	C	3				3						
			1900	*	O			(2)			Van Syckel					
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			3				3						
12	Cambridge	* Gas Works	1890	*	O			(5)								
			1900	X												
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: OHIO

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	******BY-PRODUCTS****** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13	Canton	* G L & Coke	1890	*	C	45				45						
			1900	*	C	43				43						
			1910	*	C	5				5						
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			31				31						
14	Chillicothe	* G & W Co	1890	*	C	(12)										
			1900	*	C	10				10						
			1910	*	C	8				8						
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:			9				9						
15	Cincinnati	* G L & Coke Co	1890	*	C	1,000				1,000						
			1900	*	C	1,100				1,100						
			1910	X												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			1,050				1,050						
16	Circleville	* G L & Coke Co	1890	*	C	(8)										
			1900	*	C	7				7						
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			7				7						

(continued)

TABLE B-1 (continued)

STATE: OHIO

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS********* Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
17 Cleveland	* G L & Coke Co	1890	*	C	(260)										
		1900	*	C	1,100				1,100						
		1910	*	C,W	1,500				1,500						
		1920	*	C,W	140	70			210						
		1930	*	CW,Coke			400		400						Coke gas is included in water gas prod'n
		1940	N												
		1950	N												
		AVERAGES:			913	70	400		825						
18 Cleveland	People's G L Co	1890	*	C	(80)										
		1900	*	C	30				30						
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			30				30						
19 Columbus	* G L & Coke Co	1890	*	C	200				200						
		1900	*	C	185				185						
		1910	*	C	50				50						
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			145				145						
20 Coshocton	* L, Fuel & P Co	1890	*	C	4				4						
		1900	*	C	7				7						
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			6				6						

(continued)

TABLE B-1 (continued)

STATE: OHIO

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
21 Dayton	* G L & Coke Co	1890	*	W		(55)				Lowe (G)					
		1900	*	W		20			20	*					
		1910	*	C,W		318	17		335	*					
		1920	O												
		1930	O												
		1940	-												
		1950	-												
		AVERAGES:				169	17		178						
22 Defiance	* Gas Co	1890	*	O			(10)								
		1900	*	C	3				3						
		1910	*	C	9				9						
		1920	*	C	35				35		(0.2)	(0)			
		1930	*	C	50				50		(1)	58			
		1940	*	C	26				26		(0.6)	33			
		1950	N												
		AVERAGES:			25				25			46			
23 Delaware	* G L & Coal Oil Co	1890	*	C	12				12						
		1900	*	C	15				15						
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			14				14						
24 Delphos	* G L Co	1890	*	C	5				5						
		1900	*	O				5	5	Van Scyhel					
		1910	O												
		1920	*	C	20				20		(0.7)	(0)			
		1930	*	C	28				28		(1)	32			
		1940	O												
		1950	-												
		AVERAGES:			18			5	15			32			

(continued)

TABLE B-1 (continued)

STATE: OHIO

						GAS PRODUCTION RATE (MM cu.ft./YR)						*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
25	East Liverpool	* G L Co	1890	*	C	(8)										
			1900	N												
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
26	Elyria	* G & W Co	1890	*	W		6			6						
			1900	*	W		20			20						
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				13			13						
27	Fostoria	* L & P Co	1890	*	W		7			7	Lowe (W-C)					
			1900	*	C	100				100						
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			100	7			94						
28	Fremont	* G & Plumb.	1890	*	O			(12)								
			1900	*	W		7			7	W-C					
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				7			7						

(continued)

TABLE B-1 (continued)

STATE: OHIO

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
29	Galion	" G L Co	1890	*	C	6				6						
			1900	*	C	7				7						
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			7				7						
30	Gallipolis	" G & Coke Co	1890	*	C	3				3						
			1900	*	C	7				7						
			1910	N												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			5				5						
31	Glendale	" Mutual G L Co	1890	*	O			(2.5)								Naphtha feedstock
			1900	X												
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
32	Greenville	" Gas Co	1890	*	C	6				6						
			1900	*	C	4				4						
			1910	*	C	5				5						
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAG			5				5						

(continued)

TABLE B-1 (continued)

STATE: OHIO

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
						Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
33	Hamilton	* G L & Coke Co	1890	*	C	13				13						
			1900	*	C,W	45				45						
			1910	*	Coke				110	110						
			1920	*	Coke				?							
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:			29			110	56						
34	Hamilton	* Gas Works	1890	*	C	50				50						
			1900	*	O			60		60	Kendall					
			1910	*	O			73		73						
			1920	*	O			?								
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:			50		67		61						
35	Hillsboro	* G & E Co	1890	*	C	4				4						
			1900	*	C	4				4						
			1910	*	C	6				6						
			1920	*	C	6				6						
			1930	*	C	12				12						
			1940	*	C	9				9			9			
			1950	-												
			AVERAGES:			7				7						
36	Ironton	* Gas Co	1890	*	C	9				9						
			1900	*	C	16				16						
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			13				13						

(continued)

TABLE B-1 (continued)

STATE: OHIO

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
37	Kenton	Scioto Nat. Gas & Oil Co	1890	*	W		6			6	H-C					
			1900	*	W		8			8	"					
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				7			7						
38	Lancaster	" G L & Coke Co	1890	*	C	8				8						
			1900	*	C	6				6						
			1910	*	C	4				4						
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:			6				6						
39	Lebanon	" L Fuel & P Co	1890	*	?											
			1900	*	?											
			1910	*	O			6		6	Van Dyckel					
			1920	*	O			5		5	" "					
			1930	*	O			(2)			" "					
			1940	*	W		2			2						
			1950	O												
			AVERAGES:				2	6		4						
40	Lima	" G L Co	1890	*	W		(20)									
			1900	*	W		19			19						
			1910	*	W		40			40						
			1920	*	W		38			38						
			1930	*	W		268			268						
			1940	N												
			1950	N												
			AVERAGES:				91			91						

(continued)

TABLE B-1 (continued)

STATE: OHIO

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
41	Logan	* G L & Coke Co	1890	*	C	4				4						
			1900	N												
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			4				4						
42	London	* G L Co	1890	*	C	5				5						
			1900	*	C	5				5						
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			5				5						
43	Mansfield	* G L Co	1890	*	W		18			18	A-C					
			1900	*	W		33			33	"					
			1910	*	W		10			10	"					
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:				20			20						
44	Marion	* G L Co	1890	*	C	6				6						
			1900	*	C	9				9						
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			8				8						

(continued)

TABLE B-1 (continued)

STATE: OHIO

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
45 Marietta	* GL Co	1890	*	C	6				6						
		1900	0												
		1910	0												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			6				6						
46 Marietta	* Gas Co	1890	*	W		4			4	M-C					
		1900	*	W		10			10	*					
		1910	0												
		1920	0												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:				7			7						
47 Massillon	* GL Co	1890	*	C	7				7						
		1900	*	C	10				10						
		1910	0												
		1920	0												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			9				9						
48 Mechanicsburg	* GL Co	1890	*	W		(2)				B-B					
		1900	*	W		1			1	Smith					
		1910	*	W		1			1						
		1920													
		1930													
		1940													
		1950													
		AVERAGES:				1			1						

(continued)

TABLE B-1 (continued)

STATE: OHIO

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
49 Middletown	" Gas Co	1890	*	C	8				8						
		1900	*	C	12				12						
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			10				10						
50 Mt. Vernon	" G L & Coke Co	1890	*	C	12				12						
		1900	*	W		13			13						
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			12	13			13						
51 Newark	" G L & Coke Co	1890	*	C	8				8						
		1900	*	C	10				10						
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			9				9						
52 New Philadelphia	" G L & Coke Co	1890	*	C	2				2						
		1900	*	C	3				3						
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			3				3						

(continued)

TABLE B-1 (continued)

STATE: OHIO

					GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO. CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
53 Norwalk	* GL Co	1890	*	W		(9)				Lowe (Fl)					
		1900	*	W		20			20	*					
		1910	0												
		1920	0												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:				20			20						
54 Oberlin	* G & E Co	1890	*	C	2				2						
		1900	*	C	(6)										
		1910	*	C	22				22						
		1920	0												
		1930	0												
		1940	-												
		1950	-												
		AVERAGES:			12				12						
55 Painesville	* GL Co	1890	*	C	6				6						
		1900	*	C	8				8						
		1910	*	C	20				20						
		1920	*	C	22				22						
		1930	P												
		1940	-												
		1950	-												
		AVERAGES:			14				14						
56 Piqua	* G L & Coke Co	1890	*	C	7				7						
		1900	*	C	10				10						
		1910	*	C,W	8				8	H-C					
		1920	0												
		1930	0												
		1940	-												
		1950	-												
		AVERAGES:			8				8						

(continued)

TABLE B-1 (continued)

STATE: OHIO

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
57	Portsmouth	* G & E Co	1890	*	C	16				16						
			1900	*	C	20				20						
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			18				18						
58	Ravenna	* G & E Co	1890	*	C	3				3						
			1900	*	C	5				5						
			1910	*	C	9				9						
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:			6				6						
59	Ripley	* GL & Coke Co	1890	*	C	1				1						
			1900	*	C	2				2						
			1910	*	C	1				1						
			1920	*	C	2				2						
			1930	X												
			1940	-												
			1950	-												
			AVERAGES:			2				2						
60	Sandusky	* GL Co	1890	*	W		20			20	Loomis					
			1900	*	W		20			20	"					
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				20			20						

(continued)

TABLE B-1 (continued)

STATE: OHIO

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
61	Salem	* GL Co	1890	*	C	40				40						
			1900	*	C	12				12						
			1910	I												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			26				26						
62	Sidney	* GL Co	1890	*	C	(6)										
			1900	*	C	8				8						
			1910	N												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			8				8						
63	Springfield	* G L & Coke Co	1890	*	C	55				55						
			1900	*	C	60				60						
			1910	N												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			58				58						
64	Steubenville	* G & E Co	1890	*	C	22				22						
			1900	*	C	17				17						
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			20				20						

(continued)

TABLE B-1 (continued)

STATE: OHIO

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
65	Tiffin	* GL Co	1890	*	W		10			10	M-C					
			1900	*	W		8			8	"					
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				9			9						
66	Toledo	* G L & Coke Co	1890	*	W		100			100	Lowe					
			1900	*	W		200			200	"					
			1910	:	C,W		133	133		266	"					
			1920	P												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				144	133		189						
67	Troy	* Gas Co	1890	*	C	1				1						
			1900	*	C	5				5						
			1910	*	C	5				5						
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:			4				4						
68	Upper Sandusky	* GL Co	1890	*	O			(5)			Van Sickel					
			1900	*	O			3		3						
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:					3		3						

(continued)

TABLE B-1 (continued)

STATE: OHIO

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
69	Urbana	* G L & Coke Co	1890	*	C	10				10						
			1900	*	C	8				8						
			1910	*	C	1				1						
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:			6				6						
70	Van Wert	* GL Co	1890	*	W		5			5	Lowe (S)					
			1900	*	W		50			50	"					
			1910	*	W		27			27	"					
			1920	*	W		27			27	"		9			
			1930	*	CW		29			29	"					
			1940	O												
			1950	O												
			AVERAGES:				28			28			9			
71	Wapakoneta	* GL Co	1890	*	O			(4)			Van Bickel					
			1900	*	O			2		2	" "					
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:					2		2						
72	Warren	* GL Co	1890	*	C	9				9						
			1900	*	C	16				16						
			1910	*	C	40				40						
			1920	*	C	32				32		(0.3)	(-)			
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:			24				24						

(continued)

TABLE B-1 (continued)

STATE: OHIO

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
73	Washington	" GL Co	1890	*	C	7				7						
			1900	*	C	10				10						
			1910	*	C	(8)										
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:			9				9						
74	Wellsville	Valley Gas Co	1890	*	W		(5)				Lowe (W-C)					
			1900	*	W		7			7	*					
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				7			7						
75	Waterville	" Gas Co	1890	*	?											
			1900	0												
			1910	0												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
76	Wooster	" GL Co	1890	*	C	6				6						
			1900	*	C	8				8						
			1910	*	C	10				10						
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:			8				8						

(continued)

TABLE B-1 (continued)

STATE: OHIO

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
77	Xenia	" GL Co	1890	*	C	(9)										
			1900	*	C	(10)										
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
78	Youngstown	" Gas Co	1890	*	C	(30)										
			1900	*	C	30				30						
			1910	*	C	52				52						
			1920	*	C	54				54		(1)	(-)	(-)		
			1930	*	C	24				24						
			1940	0												
			1950	0												
			AVERAGES:			40				40						
79	Zanesville	" GL Co	1890	*	C	33				33						
			1900	*	C	50				50						
			1910	*	C	26				26						
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:			36				36						
80	Bellevue	" Gas Co	1890													
			1900	*	W		10			10						
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				10			10						

(continued)

TABLE B-1 (continued)

STATE: OHIO

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
81	Bucyrus	" Gas Co	1890													
			1900	W			10			10	Lowe (8)					
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				10			10						
82	Clyde	" Gas Co	1890													
			1900	*	W		(3)				Lowe					
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
83	Conneaut	" G L & Fuel Co	1890													
			1900	*	C	1				1	Lowe					
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			1				1						
84	Lorain	" Gas Co	1890													
			1900	*	C	10				10						
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			10				10						

(continued)

TABLE B-1 (continued)

STATE: OHIO

NO. CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
85 New Lisbon	* Gas Co	1890													
		1900	*	O			(5)			Lowe					
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:													
86 Tiffin	* L & Fuel Co	1890													
		1900	*	W		50			50	Lowe					
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:				50			50						
87 Wilmington	* G L & Coke Co	1890													
		1900	*	C	3				3						
		1910	*	C	10				10						
		1920	*	C	12				12						
		1930	O												
		1940	O												
		1950	-												
		AVERAGES:			8				8						
88 Paulding	* G L & F Co	1890													
		1900													
		1910	*	W		3			3						
		1920	*	W		7			7						
		1930	O												
		1940	O												
		1950	-												
		AVERAGES:				5			5						

(continued)

TABLE B-1 (continued)

STATE: OHIO

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS********* Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
89 Napoleon	Ohio G L & Coke Co	1890													
		1900													
		1910													
		1920	+	C	85				85		(2)	(-)			
		1930	0												
		1940	0												
		1950	-												
		AVERAGES:			85				85						
90 Bryan	Ohio G L & Coke Co	1890													
		1900													
		1910													
		1920													
		1930	+	C,CW	68	64			132	Lowe					
		1940	0												
		1950	0												
		AVERAGES:			68	64			132						

(continued)

TABLE B-1 (continued)

STATE: OKLAHOMA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
						Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Oklahoma	* G&E Co	1890													
			1900	*	O			(10)			Kendall					
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
2	Chickasha	* G&E Co	1890													
			1900													
			1910	*	C,W	11	11			22						
			1920	*	C,W	8	18			26		(1)				
			1930	0												
			1940	0												
			1950	-												
			AVERAGES:			10	15			24						
3	El Reno	* G&E Co	1890													
			1900													
			1910	*	C	15				15						
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:			15				15						
4	Enid	* E&G Co	1890													
			1900													
			1910	*	O			4		4						
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:					4		4						

(continued)

TABLE B-1 (continued)

STATE: OKLAHOMA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu. ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	McAlester	* GL Co	1890													
			1900													
			1910	*	C	15				15						
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:			15				15						

(continued)

TABLE B-1 (continued)

STATE: OREGON

						GAS PRODUCTION RATE (MM cu.ft./YR)						*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Astoria	* GL Co	1890	*	C	3				3						
			1900	*	C	4				4						
			1910	*	W		8			8						
			1920	*	W		26			26						
			1930	*	W		28			28						
			1940	*	W		7									
			1950	0												
			AVERAGES:			4	21			14						
2	East Portland	* GL Co	1890	*	(12)											
			1900	0												
			1910	0												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
3	Portland	* G Co	1890	*	C	(35)										
			1900	*	C	60				60						
			1910	*	O			818		818						
			1920	*	O			2,800		2,800						
			1930	*	O			4,437		4,437						
			1940	*	O			3,979		3,979			1,404		360 tons sulfur	
			1950	*	O			9,570		9,570		11	2,403		168 tons naphthalene	
			AVERAGES:			60		4,337		3,624		11	1,904			
4	Salem	* GL Co	1890	*	C	(12)										
			1900	*	C	(8)										
			1910	*	C	8				8						
			1920	*	C	27				27						
			1930	C												Cons. w/Portland
			1940	-												
			1950	-												
			AVERAGES:			18				18						

(continued)

TABLE B-1 (continued)

STATE: OREGON

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	BY-PRODUCTS Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Baker City	* G&EL Co	1890													
			1900	*	C	3				3						
			1910	*	C	4				4						
			1920	*	C	4				4		(0.1)				
			1930	*	C	9				9		(0.2)	0			
			1940	O												
			1950	O												
			AVERAGES:			5				5			0			
6	Marshfield	The Coos Bay G&E Co	1890													
			1900													
			1910	*	O			5		5						
			1920	*	O			12		12						
			1930	*	O			10		10						
			1940	O												
			1950	O												
			AVERAGES:					9		9						
7	St John's	* G Co	1890													
			1900													
			1910	P												It is uncertain if this site ever manufactured gas
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:													
8	Ashland	Oregon G&E Co	1890													
			1900													
			1910													
			1920	*	O			6		6	Str.Shot					
			1930	P												
			1940	O												
			1950	O												
			AVERAGES:					6		6						

(continued)

TABLE B-1 (continued)

STATE: OREGON

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	"Grant's Pass	Oregon G&E Co	1890													
			1900													
			1910													
			1920	*	O			4		4	Str.Shot					
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:					4		4						
10	Medford	Oregon G&E Co	1890													
			1900													
			1910													
			1920	*	O			12		12	Str.Shot					
			1930	*	CW,O		46	20		66						
			1940	O												
			1950	O												
			AVERAGES:				46	16		39						
11	Pendleton	Pacific Power&L Co	1890													
			1900													
			1910													
			1920	*	C	17				17		(0.3)				
			1930	*	C	26				26						
			1940	O												
			1950	O												
			AVERAGES:			22				22						
12	Roseburg	Oregon G&E Co	1890													
			1900													
			1910													
			1920	*	O			6		6	Str.Shot					
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:					6		6						

(continued)

TABLE B-1 (continued)

STATE: OREGON

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
						Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13	Springfield	Mountain States	1890													
			1900													
			1910													
			1920	*	?	30				30						
			1930	0												
			1940	0												
			1950	-												
			AVERAGES:			30				30						
14	Eugene	Northwest Cities G Co	1890													
			1900													
			1910													
			1920													
			1930	*	W		71			71	Young-Whitehall					
			1940	0												
			1950	0												
			AVERAGES:				71			71						

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Allegheny City	" Gas Co	1890	*	W		75			75	Lowe(G)					
			1900	*	W		212			212	"					
			1910	0												
			1920	0												
			1930	_												
			1940	_												
			1950	_												
			AVERAGES:				144			144						
2	Allentown	" Gas Co	1890	*	W		17			17	Lowe					
			1900	*	W		41			41	"					
			1910	*	W		112			112	"					
			1920	*	W		620			620	"		252			
			1930	*	W		927			927	"					
			1940	*	CW		1,143			1,143	"		140			
			1950	*	CW		1,538			1,538	"					
			AVERAGES:				620			620			200			
3	Altoona	" GL Co	1890	*	C	50				50	Lowe					
			1900	*	C,W	91				91	"					
			1910	*	C,W	150				150	"					
			1920	*	C,W	54				54	"					
			1930	0												
			1940	*	C,W	15	82			97	Lowe	1	16			
			1950	0												
			AVERAGES:			72	82			88		1	16			
4	Ardmore	Lower Merion Gas Co	1890	*	W		4			4	Cliff					
			1900	*	W		27			27	Lowe					
			1910	*	W		121			121	"					
			1920	*	W		461			461	"		250			
			1930	C												Cons. w/Phila. Elect. Co.
			1940	-												
			1950	-												
			AVERAGES:				153			153			250			

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/ PROCESS	*******BY-PRODUCTS*******				MISCELLANEOUS INFORMATION
						Coal	Water	Oil	Coke	Total		Coke	Tar	Ammonia	Other	
5	Beaver Falls	* Gas Co	1890	*	W		14			14	M-C					
			1900	*	W		12			12	*					
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				13			13						
6	Bellefonte	* GL Co	1890	*	C	(4)										
			1900	0												
			1910	*	C	4				4						
			1920	*	C	4				4						
			1930	*	C,W	40				40	Lowe					
			1940	*	CW		73			73	*					
			1950	N												
			AVERAGES:			19	73			32						
7	Bethlehem	* Gas Co	1890	*	W		9			9	Lowe					
			1900	*	W		30			30	*					
			1910	*	W		60			60	*					
			1920	*	W		225			225	*					
			1930	0												
			1940	0												
			1950	-												
			AVERAGES:				81			81						
8	Bloomsburg	* Gas Co	1890	*	O			(5)			Patton					
			1900	*	O			9		9	*					
			1910	*	C	3				3						
			1920	*	C	14				14						
			1930	*	C	30				30						
			1940	0												
			1950	0												
			AVERAGES:			16		9		14						

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Braddock	* G & L Co	1890	*	C	12				12						
			1900	O												
			1910	*	C	2				2						
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:			7				7						
10	Bristol	* GL Co	1890	*	W		(7)									
			1900	*	W		10			10						
			1910	*	C	16				16						
			1920	*	C	37				37						
			1930	C												Cons.-w/ Phila. Elect. Co.
			1940	-												
			1950	-												
			AVERAGES:			27	10			21						
11	Brownsville	* Gas Co	1890	*	O			2		2						
			1900	*	O			3		3						
			1910	X												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:					3		3						
12	Carbondale	* Gas Co	1890	*	C	3				3						
			1900	*	C	3				3						
			1910	*	W	12				12	Lowe					
			1920	*	W	23				23	*					
			1930	*	W	30				30	*					
			1940	*	W	35				35	*					
			1950	*	W	63				63	*					
			AVERAGES:			25				25						

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

NO. CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13 Carlisle	" G & W Co	1890	*	W		7			7	Lowe					
		1900	*	W		6			6	"					
		1910	*	W		13			13	"					
		1920	*	W		13			13	"					
		1930	*	W		79			79	"					
		1940	0												
		1950	0												
		AVERAGES:				24			24						
14 Catasauqua	" G Co	1890	*	W		1			1	Lowe					
		1900	*	W		4			4	"					
		1910	*	W		10			10	"					
		1920	*	W		35			35	"					
		1930	0												
		1940	0												
		1950	-												
		AVERAGES:				13			13						
15 Chambersburg	" GL Co	1890	*	W		4			4	Lowe					
		1900	*	W		6			6	"					
		1910	*	W		22			22	"					
		1920	*	W		32			32	"		40			
		1930	*	W		67			67	"					
		1940	*	W		69			69	"					
		1950	*	W		124			124	"					
		AVERAGES:				46			46			40			
16 Chester	" Gas Co	1890	*	C	(20)										
		1900	*	C,W	40				40	Lowe					
		1910	*	W,Coke		18		342	360	"					
		1920	*	Coke				1,100	1,100						
		1930	C												Cons. w/ Phila. Elect. Co.
		1940	-												
		1950	-												
		AVERAGES:			40	18		721	500						

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
17 Clearfield	" GL Co	1890	*	C	(3)										
		1900	*	C	4				4						
		1910	*	C,W	3				3						
		1920	*	C,W,Coke	74	515		525	1,114						
		1930	*	C	26				26		(0.5)	24			
		1940	*	C,W	55	15			70		(2)	40			
		1950	0												
		AVERAGES:			32	265		525	243			32			
18 Coatsville	" Gas Co	1890	*	C	2				2	Lowe					
		1900	*	C,W	6				6	"					
		1910	*	C,W	15				15	"					
		1920	*	C,W	59				59	"					
		1930	C												Cons. w/ Phila. Elect. Co.
		1940	-												
		1950	-												
		AVERAGES:			21				21						
19 Columbia	" Gas Co	1890	*	W		(10)				Lowe					
		1900	*	W		4			4	"					
		1910	*	W		7			7	"					
		1920	*	W		32			32	"		11			
		1930	*	W		50			50	"					
		1940	0												
		1950	0												
		AVERAGES:				23			23			11			
20 Connellsville	" & New Haven G & W Co	1890	*	W		5			5	Lowe (H-C)					
		1900	*	W		3			3	"					
		1910	0												
		1920	0												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:				4			4						

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
21 Corry	* G & W Co	1890	*	W		(8)				Lowe (H-C)					
		1900	*	W		10			10	*					
		1910	0												
		1920	0												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:				10			10						
22 Conshohocken	* GL Co	1890	*	W		6			6	Lowe					
		1900	*	W		6			6	*					
		1910	*	W		15			15	*					
		1920	C												Cons. w/ Phila. Elect. Co.
		1930	0												
		1940	-												
		1950	-												
		AVERAGES:				9			9						
23 Danville	Consumer's Gas Co	1890	*	C	0				0						
		1900	*	C	4				4						
		1910	*	C	8				8						
		1920	*	C	16				16		(0.7)	(-)			
		1930	*	C	20				20						
		1940	0												
		1950	0												
		AVERAGES:			10				10						
24 Darby	* Gas Co	1890	*	C	3				3						
		1900	*	C	16				16						
		1910	0												
		1920	0												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			10				10						

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
25	Downingtown	* Gas Works	1890	*	W		(7)				Brooks					
			1900	*	W		15			15	*					
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				15			15						
26	Doylestown	* Gas Co	1890	*	C	(3.5)										
			1900	*	C	2				2						
			1910	*	C	5				5						
			1920	C												Cons. w/Newton
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			4				4						
27	Easton	* Gas Co	1890	*	C	(20)										
			1900	*	C	20				20						
			1910	*	W		100			100	Lowe					
			1920	*	W		193			193	*					
			1930	*	W		501			501	*					
			1940	*	W		599			599	*					
			1950	*	W		454			454	*					Plants in Allentown,Bethelhem, & Easton
			AVERAGES:			20	369			311						
28	Erie	* Gas Co	1890	*	C,W	35				35	Lowe (8)					
			1900	*	C,W	47				47	*					
			1910	*	C	22				22						
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:			35				35						

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
29	Franklin	" Gas Co	1890	*	W						Lowe (N-C)					
			1900	*	W											
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
30	Freeport	" Gas Co	1890	*	?					(2)						
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
31	Gettysburg	" Gas Co	1890	*	C	3				3						
			1900	*	C	3				3						
			1910	*	W		8			8						
			1920	*	W		16			16			8			
			1930	*	CW		(5)									
			1940	O												
			1950	O												
			AVERAGES:			3	12			8			8			
32	Greensburg	" Gas Co	1890	*	W		4			4	Lowe (N-C)					
			1900	*	W		?									
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				4			4						

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
33	Greenville	" Gas Co	1890	*	C	(4.5)										
			1900	*	C	0				0						
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			0				0						
34	Girardville	" Gas Co	1890	*	W		1			1	Lowe					
			1900	*	W		1			1	"					
			1910	*	W		1			1	"					
			1920	*	W		20			20	"					
			1930	*	W		30			30	"					
			1940	-												
			1950	-												
			AVERAGES:				11			11						
35	Hanover	" Gas Co	1890	*	C	2				2						
			1900	*	C	4				4						
			1910	*	C	7										
			1920	*	C	39				39			16			
			1930	*	C	69				69			23			
			1940	N												
			1950	N												
			AVERAGES:			29				29						
36	Harrisburg	" Gas Co	1890	*	W		30			30	Lowe					
			1900	*	W		74			74	"					
			1910	*	W		219			219	"					
			1920	*	W		60			60	"					
			1930	*	CW		4			4	"					
			1940	*	CW		2			2	"					
			1950	*	CW		235			235	"					
			AVERAGES:				90			90						

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
37	Harrisburg	People's G & Gaseous Fuel	1890	*	W		(40)				Lowe					
			1900	C												Cons. w/Harrisburg G Co
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
38	Hazleton	" Gas Co	1890	*	W		5			5	Lowe					
			1900	*	W		2			2	"					
			1910	O	W		3			3	"					
			1920	*	W		4			4	"					
			1930	*	W		83			83	"					
			1940	O												
			1950	O												
			AVERAGES:				19			19						
39	Hollidaysburg	" W & G Co	1890	*	C	(4)										
			1900	*	W		7			7	Sutherland					
			1910	P												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				7			7						
40	Honesdale	" Gas Co	1890	*	W		(7)				Lowe (G)					
			1900	*	W		7			7	"					
			1910	*	W		6			6	"					
			1920	*	W		8			8	"					
			1930	*	W		14			14	"					
			1940	O												
			1950	O												
			AVERAGES:				9			9						

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
41	Huntingdon	" Gas Co	1890	*	W		5			5	Lowe					
			1900	*	W		6			6	"					
			1910	*	W		6			6	"					
			1920	*	W		22			22	"					
			1930	*	W		30			30	"		6			
			1940	O												
			1950	O												
			AVERAGES:				14			14			6			
42	Indiana	" GL Co	1890	*	W		4			4	Lowe (H-C)					
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				4			4						
43	Jersey Shore	" Gas Works	1890	*	O			1		1	Patton					
			1900	*	O			(2)			"					
			1910	*	W		6			6	Lowe					
			1920	*	W		9			9	"					
			1930	*	W		14			14	"					
			1940	*	W		12			12	"					
			1950	N												
			AVERAGES:				10	1		8						
44	Johnstown	" W & G Co	1890	*	C,W	30				30	Lowe (G)					
			1900	*	C,W	52				52	"					
			1910	*	C,W	101	6			107	"					
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:			61	6			63						

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
45 Kittanning	* Gas Co	1890	*	C	1				1						
		1900	O												
		1910	O												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			1				1						
46 Lancaster	* G L & Fuel Co	1890	*	C	50				50						
		1900	*	W		75			75	Lowe					
		1910	*	W		140			140	"					
		1920	*	W		340			340	"		(7)			
		1930	*	W		573			573	"					
		1940	O												
		1950	*	W		958			958						
		AVERAGES:			50	417			356						
47 Latrobe	* Gas Co	1890	*	O			(6)								
		1900	*	O			4		4	J-L					
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:					4		4						
48 Lebanon	* Gas Co	1890	*	C	8				8						
		1900	*	C	13				13						
		1910	*	C	22				22						
		1920	*	C	67				67		(3)	(-)			
		1930	P												
		1940	P												
		1950	-												
		AVERAGES:			28				28						

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
49 Lewisburg	* Gas Works	1890	*	C	(4)										
		1900	0												
		1910	*	C	7				7						
		1920	*	C	6				6						
		1930	*	W		13			13						
		1940	*	W		15			15						
		1950	0												
		AVERAGES:			7	14			10						
50 Lewistown	GL. Co	1890	*	W		(4)									
		1900	*	W		(4)									
		1910	*	W		8			8						
		1920	*	W		43			43						
		1930	*	CW		83			83						
		1940	0												
		1950	*	CW		147			147						
		AVERAGES:				70			70						
51 Lock Haven	* Gas Co	1890	*	C	6				6						
		1900	*	C	2				2						
		1910	*	C	4				4						
		1920	*	C	6				6						
		1930	0												
		1940	0												
		1950	-												
		AVERAGES:			5				5						
52 McKeesport	* Gas Co	1890	*	C	12				12						
		1900	*	Coke				12	12						
		1910	*	C	85				85						
		1920	0												
		1930	0												
		1940	-												
		1950	-												
		AVERAGES:			49			12	36						

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
53	Mahanoy City	"Mahanoy City Gas Co	1890	*	W		(10)				Lowe					
			1900	*	W		3			3	"					
			1910	*	W		6			6	"					
			1920	0												
			1930	0												
			1940	*	CW		17			17	Lowe					
			1950	*	CW		10			10	"					
			AVERAGES:				11			11						
54	Mauch Chunk	" City Gas Co	1890	*	W		5			5	Lowe(B)					
			1900	*	W		3			3	"					
			1910	*	W		5			5	"					
			1920	*	W		12			12	"		(0.2)			
			1930	0												
			1940	0												
			1950	-												
			AVERAGES:				6			6						
55	Meadville	" G & W Co	1890	*	W		10			10	Lowe (H-C)					
			1900	*	W		10			10	"					
			1910	*	W		10			10	"					
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:				10			10						
56	Mechanicsburg	" G & W Co	1890	*	C	(4)										
			1900	*	O			3		3	J-L					
			1910	*	W		6			6	Lowe					
			1920	*	W		6			6	"					
			1930	*	W		10			10	"					
			1940	0												
			1950	0												
			AVERAGES:				10	3		8						

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

NO. CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
57 Media	* G L Co	1890	*	C	6				6						
		1900	*	W		4			4	Lowe					
		1910	0												
		1920	0												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			6	4			5						
58 Middletown	* GL Co	1890	*	W		2			2	Flannery					
		1900	*	W		4			4	"					
		1910	0												
		1920	0												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:				3			3						
59 Milton	* GL Co	1890	*	C	4				4						
		1900	*	C	6				6						
		1910	*	C	15				15						
		1920	*	C,W	36	40			76		(1)	24			
		1930	0												
		1940	0												
		1950	-												
		AVERAGES:			15	40			25						
60 Monogahela City	* Gas Co	1890	*	C	3				3						
		1900	*	C	2				2						
		1910	0												
		1920	0												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:			3				3						

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
61	Mount Joy	* GL Co	1890	*	W		(2)				Lowe					
			1900	*	W		2			2	*					
			1910	X												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				2			2						
62	Mount Pleasant	* Gas Co	1890	*	W		0				S-G					
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				0									
63	New Castle	* Gas Co	1890	*	W		12			12	Lowe(H-C)					
			1900	*	W		5			5	*					
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				9			9						
64	Newtown	* G & W Co	1890	*	?					(1)						
			1900	O												
			1910	P												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/ PROCESS	*******BY-PRODUCTS********				MISCELLANEOUS INFORMATION
					Coal	Water	Oil	Coke	Total		Coke	Tar	Ammonia	Other	
65 Norristown	* Gas Co	1890	*	C	(20)										
		1900	*	C,W	25				25	Lowe					
		1910	*	C,W	42	42			84	*					
		1920	*	C,W	207				207	*		98			
		1930	0												
		1940	0												
		1950	-												
		AVERAGES:			91	42			105			98			
66 Oil City	* Gas Co	1890	*	?					(10)						
		1900	0												
		1910	0												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:													
67 Orwigsburg	* Gas Co	1890	*	?					(1)						
		1900	0												
		1910	0												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:													
68 Philadelphia	* Gas Works	1890	*	C	2				2						
		1900	*	C,W	250				250						
		1910	*	C,W	5,000				5,000			10,300			
		1920	*	C,W	15,600				15,600						
		1930	*	C,W		15,074			15,074		61	10,400	326		
		1940	*	C,W	926	10,639			11,565		46	13,706			
		1950	*	CW		29,241			29,241			4,105			
		AVERAGES:			4,356	10,318			10,962		54	9,640	326		

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
						Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
69	Philadelphia	Northern Liberties G Co	1890	*	C	90				90						
			1900	O												
			1910	*	C	173				173						
			1920	*	C	210				210		14	296	78		
			1930	*	W,Coke		5,440		?	5,440		116	2,086	887		Phila. Electric Co.:Plants in West Conshohocken,Pottstown, Oreland,Bristol,Chester(coke) Purch.3200 MM cu.ft.coke gas
			1940	*	W,Coke		5,887		?	5,887						
			1950	O												
			AVERAGES:			158	5,664			2,360		65	1,191	483		
70	Philadelphia	Manay. Gas L Co	1890	*	W		10			10	Lowe					
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				10			10						
71	Phillipsburg	E.L., G L Co	1890	*	?						(5)					
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
72	Phoenixville	* G, L & F Co	1890	*	W		3			3	Lowe					
			1900	*	W		12			12	*					
			1910	*	W		28			28	*					
			1920	*	W		61			61	*		15			
			1930	C												Cons. w/Phila. Electric Co.
			1940	-												
			1950	-												
			AVERAGES:				26			26			15			

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
						Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
73	Pittsburgh	Consolidated Gas Co	1890	*	W		50			50	Flannery					
			1900	*	W		433			433	"					
			1910	*	W		378			378	Lowe					
			1920	X												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				287			287						
74	Pittsburgh	East End Gas Co	1890	*	W		100			100						
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				100			100						
75	Pittsburgh	" Gas Co	1890	*	W		330			330	Lowe(G),Fl					
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				330			330						
76	Pittsburgh	South End Gas Co	1890	*	W		50			50						
			1900	*	W		29			29						
			1910	*	C,W		5	1		6						
			1920	X												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				28	1		28						

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
						Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
77	Pittsburgh	West Pittsburgh Gas Co	1890	*	W		14			14	Lowe(H-C)					
			1900	0												
			1910	0												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				14			14						
78	Pittston	" EL Co	1890	*	W		7			7	Lowe(G)					
			1900	*	W		15			15	"					
			1910	*	W		29			29	"					
			1920	*	W		66			66	"					
			1930	*	W		83			83	"		54			
			1940	*	W		67			67	"					
			1950	*	W		95			95	"					
			AVERAGES:				52			52			54			
79	Plymouth	" L H & P Co	1890	*	O			(11)			Patton					
			1900	*	O			5		5	"					
			1910	*	W		67			67	Lowe					
			1920	*	W		7				"					
			1930	D												
			1940	D												
			1950	-												
			AVERAGES:				67	5		36						
80	Pottstown	" Gas Co	1890	*	O			7		7						
			1900	*	O			8		8						
			1910	*	O			27		27						
			1920	*	O			28		28			60			
			1930	C												Cons. w/Phila.Electric Co.
			1940	-												
			1950	-												
			AVERAGES:					18		18			60			

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

NO. CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
81 Pottsville	* Gas Co	1890	*	W		13			13	Lowe					
		1900	*	W		15			15	*					
		1910	*	W		38			38	*					
		1920	*	W		40			40	*					
		1930	*	W		100			100	*		26			
		1940	*	W		92			92	*					
		1950	*	W		146			146	*					
		AVERAGES:				63			63			26			
82 Reading	Consumer's Gas Co	1890	*	W		50			50	H-L					
		1900	*	W		110			110	*					
		1910	*	W		270			270	*					
		1920	*	W		550			550	*					
		1930	*	CW		1,385			1,385	Lowe		952			
		1940	*	CW		1			1	*					Most gas purchased
		1950	P												
		AVERAGES:				388			388			952			
83 Royersford	Spring City Gas Co	1890	*	O			2		2						
		1900	I												
		1910	-												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:					2		2						
84 Schyylkin Haven	* G & W Co	1890	*	W		20			20	Lowe					
		1900	*	W		3			3	*					
		1910	*	W		7			7	*					
		1920	P												
		1930	*	CW		12			12	Lowe					
		1940	*	CW		13			13	*					
		1950	*	CW		23			23	*					
		AVERAGES:				13			13						

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

NO. CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu. ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS********* Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
85 Scranton	* G & W Co	1890	*	W		(90)									
		1900	O												
		1910	O												
		1920	-												
		1930	*	CW		1,025			1,025	Lowe		371			
		1940	*	CW		857			857	"					
		1950	C												Cons. w/Wilkes Barre
		AVERAGES:				941			941			371			
86 Sewickley	* GL Co	1890	*	O			5		5						
		1900	*	C	4				4						
		1910	*	W		2			2	Lowe(N-C)					
		1920	O												
		1930	O												
		1940	-												
		1950	-												
		AVERAGES:			4	2	5		4						
87 Shamokin	* GL Co	1890	*	O			2		2	Patton					
		1900	*	O			3		3	J-L					
		1910	*	O			5		5	"					
		1920	*	O			15		15	"					
		1930	*	W				74	74						
		1940	O												
		1950	O												
		AVERAGES:					6	74	20						
88 Sharon	* G & W Co'	1890	*	W		?				Lowe(N-C)					
		1900	*	W		2			2	"					
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:				2			2						

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
89	Sharpsburg	" & Etna Gas Co	1890	*	C	10				10						
			1900	*	C	6				6						
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			8				8						
90	Shenandoah	" GL Co	1890	*	O			4		4	J-L					
			1900	*	O			4		4						
			1910	*	O			4		4						
			1920	*	O			6		6						
			1930	*	W		17			17						
			1940	0												
			1950	0												
			AVERAGES:				17	5		7						
91	Shippensburg		1890	*	W		1			1	Lowe					
			1900	*	W		2			2	"					
			1910	*	W		7			7	"					
			1920	*	W		20			20	"					
			1930	*	C	17				17		1	16			
			1940	0												
			1950	0												
			AVERAGES:			17	8			9		1	16			
92	South Bethlehem	" G & W Co	1890	*	W											
			1900	C												Sold to Wyandotte (Bethlehem)
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	BY-PRODUCTS Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
93 Stroudsburg	* GL Co	1890	*	O			(2)			Van Sickel					
		1900	*	W		5			5	Lowe(UGI)					
		1910	*	W		8			8	*					
		1920	*	W		17			17	*					
		1930	*	CW		61			61	*					
		1940	*	CW		63			63	*					
		1950	N												
		AVERAGES:				31			31						
94 Sunbury	* GL Co	1890	*	W		(6)									
		1900	*	W		(10)									
		1910	*	W		24			24						
		1920	*	W		76			76						
		1930	*	W		133			133						
		1940	O												
		1950	O												
		AVERAGES:				78			78						
95 Tamaqua	Citizen's G L Co	1890	*	W		(7)				Lowe					
		1900	*	W		2			2	*					
		1910	*	W		2			2	*					
		1920	*	W		7			7	*					
		1930	*	W		17			17	*					
		1940	O												
		1950	O												
		AVERAGES:				7			7						
96 Titusville	* Gas Co	1890	*	W		10			10	Lowe(H-C)					
		1900	*	W		6			6	*					
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:				8			8						

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
97	Towanda	* Gas Co	1890	*	C	(5)										
			1900	*	C	4				4						
			1910	*	C	4				4						
			1920	*	C	6				6						
			1930	*	C	14				14						
			1940	*	C	9				9		1	9			
			1950	N												
			AVERAGES:			7				7		1	9			
98	Tidioute	* GL Co	1890	*	O			(2)								
			1900	*	O			(2)								
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
99	Tremont	* W & G Co	1890	*	?											Under construction
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
100	Tyrone	* G & W Co	1890	*	C	3				3						
			1900	*	C	4				4						
			1910	*	C	6				6						
			1920	*	C	6				6						
			1930	*	C	25				25						
			1940	O												
			1950	O												
			AVERAGES:			9				9						

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
101	Uniontown	* L & Heat Co	1890	*	W		(8)				H-C					
			1900	*	W		6			6	*					
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				6			6						
102	Warren	* GL Co	1890	*	W		10			10	H-C					
			1900	*	W		1			1	*					
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				6			6						
103	Washington	* Gas Co	1890	*	C	(10)										
			1900	*	C	(10)										
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
104	Waynesboro	* GL Co	1890	*	W		0			0	Lowe					
			1900	*	W		3			3	*					
			1910	*	W		12			12	*					
			1920	*	W		27			27	*					
			1930	*	W		50			50	*					
			1940	*	W		54			54	*					
			1950	N												
			AVERAGES:				24			24						

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
105	Westchester	* Gas Co	1890	*	C	(9)										
			1900	*	W		17			17	Lowe					
			1910	*	W		40			40	*					
			1920	*	W		82			82	*		26			
			1930	C												Cons. w/Phila. Electric Co.
			1940	-												
			1950	-												
			AVERAGES:				46			46			26			
106	Wilkes Barre	* Gas Co	1890	*	W		30			30	Lowe(8)					
			1900	*	W		100			100	*					
			1910	*	W		107			107	*					
			1920	*	W		300			300	*					
			1930	*	CW		432			432	*					
			1940	O			1,140			1,140	*					
			1950	*	W											
			AVERAGES:				365			365						
107	Williamsport	* Gas Co	1890	*	W		24			24	Lowe					
			1900	*	W		35			35	*					
			1910	*	W		80			80	*					
			1920	*	W		260			260	*		52			
			1930	*	W		440			440	*					
			1940	O												
			1950	O												
			AVERAGES:				160			160						
108	York	* Gas Co	1890	*	W		11			11	Lowe(8)					
			1900	*	W		45			45	*					
			1910	*	W		110			110	*					
			1920	*	W		246			246	*		123			
			1930	*	CW		585			585	*		294			
			1940	*	W		639			639	*					
			1950	*	W		871			871	*					
			AVERAGES:				358			358						

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
109	Ardmore	People G Co of De. City	1890													
			1900	*	?											
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
110	Ashland	" GL Co	1890													
			1900	*	O			(7)			J-L					
			1910	*	O			4		4	"					
			1920	*	W		3			3						
			1930	*	CW		5			5						
			1940	*	CW		11			11						
			1950	N												
			AVERAGES:				6	4		6						
111	Athens	" & Sayre G Co	1890													
			1900	*	W		(10)				Lowe					
			1910	O												
			1920	*	W		50			50	Lowe		24			
			1930	*	CW		97			97	"					
			1940	*	W		108			108	"					
			1950	O												
			AVERAGES:				85			85			24			
112	Hyde Park	" Nat. Gas Co	1890													
			1900	*	W		400			400						
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				400			400						

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/ PROCESS	*******BY-PRODUCTS********				MISCELLANEOUS INFORMATION
						Coal	Water	Oil	Coke	Total		Coke	Tar	Ammonia	Other	
113	Kingston	West Side Gas Co	1890													
			1900	*	W		3			3	Lowe					
			1910	O												
			1920	O												
			1930	*	W		135			135	Lowe		95			
			1940	*	CW		219			219	"					
			1950	*	CW		401			401	"					
			AVERAGES:				190			190			95			
114	Swarthmore	College Gas Works	1890													
			1900	*	C	5				5						
			1910	*	C	7										
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:			5				5						
115	Wyncote	Jenkintown & Chettenham G	1890													
			1900	*	W		6			6						
			1910	C												Cons. w/Jenkintown
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				6			6						
116	Avondale	Kennett Gas Co	1890													
			1900													
			1910	*	O			5		5	J-L					
			1920	*	W		11			11	Lowe					
			1930	*	W		10			10	"					
			1940	P												
			1950	O												
			AVERAGES:				11	5		9						

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
117	Bangor	* Gas Co	1890													
			1900													
			1910	*	W		5			5						
			1920	*	W		10			10						
			1930	*	CW		20			20						
			1940	*	W		27			27						
			1950	N												
			AVERAGES:				16			16						
118	Berwick	Consolidated Gas Co	1890													
			1900													
			1910	*	C,W	16				16	Lowe					
			1920	*	C,W	28				28	"		5			
			1930	*	CW		17			17	"					
			1940	*	CW		22			22	"					
			1950	N												
			AVERAGES:			22	20			21			5			
119	Boyertown	* Gas Co	1890													
			1900													
			1910	*	W		3			3	Lowe					
			1920	*	W		4			4	"					
			1930	*	W		7			7	"					
			1940	*	W		8			8	"					
			1950	*	W		7			7	"					
			AVERAGES:				6			6						
120	Boyertown	* Gas Co	1890													
			1900													
			1910	*												
			1920	*												
			1930	*												
			1940	*												
			1950	*												
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	======BY-PRODUCTS======== Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
121	Elizabethtown	Marietta & Eliz. Gas Co	1890													
			1900													
			1910	*	W		4			4	Lowe					
			1920	*	W		7			7	"					
			1930	*	W		3			3	"					
			1940	*	CW		20			20						
			1950	O												
			AVERAGES:				9			9						
122	Hamburg	" Gas Co	1890													
			1900													
			1910	*	W		4			4	Lowe(Gu)					
			1920	*	W		7				"					
			1930	*	W		3			3						
			1940	O												
			1950	O												
			AVERAGES:				4			4						
123	Jenkintown	Phila. Sub. G & E Co	1890													
			1900													
			1910	*	W		73			73	Lowe					
			1920	O							"		(5)			
			1930	*	W		275			275						Cons. w/Phila.Electric Co.
			1940	C												
			1950	-												
			AVERAGES:				174			174						
124	Lititz	", Manheim & Ephrata G Co	1890													
			1900													
			1910	*	W		5			5	Lowe					
			1920	*	W		10			10	"					
			1930	*	W		24			24	"					
			1940	O												
			1950	O												
			AVERAGES:				13			13						

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
125	Mount Carmel	* GL Co	1890													
			1900													
			1910	*	W		7			7	Lowe					
			1920	*	W		10			10	"					
			1930	O												
			1940	*	W		19			19	Lowe					
			1950	N												
			AVERAGES:				12			12						
126	Myerstown	* G & F Co	1890													
			1900													
			1910	*	W		(1)				Lowe					
			1920	*	W		6			6	"					
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:				6			6						
127	Nazareth	* Illuminating Co	1890													
			1900													
			1910	*	W		8			8	Lowe					
			1920	*	W		7			7	"					
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:				8			8						
128	Oxford	* GL Co	1890													
			1900													
			1910	*	C	?										
			1920	*	C	6				6						
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:			6				6						

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS*******				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
129	Pen Argyl	" Gas Co	1890													
			1900													
			1910	*	W		4			4	Lowe(Gu)					
			1920	*	W		6			6	"					
			1930	*	W		9			9	"					
			1940	O												
			1950	O												
			AVERAGES:				6			6						
130	Renovo	" G. Co	1890													
			1900													
			1910	*	W		10			10						
			1920	*	CW		21			21						
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:				16			16						
131	Slatington	" Gas Co	1890													
			1900													
			1910	*	W		3			3	Lowe					
			1920	*	W		4			4	"					
			1930	*	W		(5)				"					
			1940	*	W		7			7	"					
			1950	O												
			AVERAGES:				5			5						
132	Hillsboro	Ohio Utilities Co	1890													
			1900													
			1910													
			1920	*	C	6				6						
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:			6				6						

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	BY-PRODUCTS Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
133	Lehighton	New Parryville Cons. Gas	1890													
			1900													
			1910													
			1920	*	W		18			18						
			1930	*	W		17			17						
			1940	0												
			1950	0												
			AVERAGES:				14			14						
134	Lykens	Williamstown Gas Co	1890													
			1900													
			1910													
			1920	*	W		6			6	Lowe					
			1930	0												
			1940	*	CW		6			6	Lowe					
			1950	0												
			AVERAGES:				6			6						
135	Nanticoke	Luzern Co G & E Co	1890													
			1900													
			1910													
			1920	*	W		94			94	Lowe					
			1930	0												
			1940	0												
			1950	-												
			AVERAGES:				94			94						
136	Parkesburg	* G Co	1890													
			1900													
			1910													
			1920	*	W		30			30	Lowe					
			1930	0												
			1940	0												
			1950	-												
			AVERAGES:				30			30						

(continued)

TABLE B-1 (continued)

STATE: PENNSYLVANIA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
137	Quakertown	Highland Gas Co	1890													
			1900													
			1910													
			1920	+	W		26			26						
			1930	P												
			1940	-												
			1950	-												
			AVERAGES:				26			26						
138	Lansford(Coaldale)	Anthracite G Co	1890													
			1900													
			1910													
			1920													
			1930													
			1940													
			1950	+	CW		25			25						
			AVERAGES:				25			25						

(continued)

TABLE B-1 (continued)

STATE/TERRITORY: PUERTO RICO (1)

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Other	Total	GASIFIER/ PROCESS	BY-PRODUCTS Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Ponce	City of Ponce Gas Works	1890													
			1900													
			1910													
			1920							(35)						
			1930													
			1940	*	W		26			26	Lowe					
			1950	*	W		40			40						
			AVERAGES:				33			33						
2	San Juan	P.R. Gas & Coke Co	1890													
			1900													
			1910													
			1920							(70)	Coal					
			1930													
			1940	*	W		228			228			401			
			1950	*	W		435			435			534			
			AVERAGES:				332			332			468			

(continued)

TABLE B-1 (continued)

STATE: RHODE ISLAND

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Bristol	Bristol County G & E Co	1890	*	C	(6)										
			1900	*	C,W	10				10	Lowe					
			1910	*	C,W	14				14	*					
			1920	P												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			12				12						
2	Newport	* GL Co	1890	*	C,W	38				38						
			1900	*	C,W	60				60						
			1910	*	C,W	95				95						
			1920	*	C,W	105				105						
			1930	*	?											
			1940	*	W		269			269			163			
			1950	*	W		447			447						
			AVERAGES:			75	358			169			163			
3	Pawtucket	* Gas Co	1890	*	C	75				75						
			1900	*	C,W	14				14	Lowe					
			1910	*	C,W	125	125			250	*					
			1920	*	C,W	253	511			764	*	(10)	(11)	(-)		
			1930	*	C,W	916	552			1,468	*	(10)	1,410			
			1940	*	C,W	1,006	269			1,275	*	(20)	1,136			
			1950	*	C,W	121	1,900			2,021	*	5	1,414			
			AVERAGES:			359	671			838		5	1,320			
4	Providence	* Gas Co	1890	*	C,W	450				450	Lowe					
			1900	*	C,W	710				710	*					
			1910	*	C,W	1,200				1,200	*					
			1920	*	C,W	1,135	1,135			2,270	*					
			1930	*	W,Coke		699		2,836	3,535	*	(4)	2,156		4,600,000,000 lbs sulfate	
			1940	*	CW,Coke		55		3,972	4,027	*					
			1950	*	W,Coke		525		3,906	4,431	*		2,506	317		
			AVERAGES:			876	604		3,571	2,376			2,371	317		

(continued)

TABLE B-1 (continued)

STATE: RHODE ISLAND

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Warren	* Gas Co	1890	*	C	3				3						
			1900	C												Cons. w/Bristol
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			3				3						
6	Westerly	* G & EL Co	1890	*	C	4				4						
			1900	*	C,W	4				4	Lowe					
			1910	*	C,W	12				12	"					
			1920	*	C,W	31				31	"					
			1930	*	W		82			82	"					
			1940	*	CW		80			80	"					
			1950	*	CW		136			136	"					
			AVERAGES:			13	99			50						
7	Woonsocket	* Gas Co	1890	*	W		30			30	Lowe (G)					
			1900	*	W		34			34	"					
			1910	*	W		50			50	"					
			1920	P												
			1930	P												
			1940	-												
			1950	-												
			AVERAGES:				38			38						

(continued)

TABLE B-1 (continued)

STATE: SOUTH CAROLINA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Charleston	* GL Co	1890	*	C	(62)										
			1900	C												Cons. w/Charleston L&P Co
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
2	Charleston	* L&P Co	1890	*	C	?										
			1900	*	C	100				100						
			1910	*	C	121				121						
			1920	*	W		342			342			110			
			1930	*	W		391			391			102			
			1940	*	W		345			345						
			1950	*	W		536			536						
			AVERAGES:			111	404			306			110			
3	Columbia	* GL Co	1890	*	C,W	12				12	Lowe					
			1900	*	C,W	12				12	"					
			1910	*	C,W	29				29	"					
			1920	*	C,W	100				100	"					
			1930	*	C,W	155	100			255	"	(3)	210			
			1940	*	C,W	174	206			380	"	(6)	280			
			1950	*	C,W	144	566			710	"	7	369			
			AVERAGES:			101	291			225		7	289			
4	Columbia	Congaree G&E Co	1890	*	?					(15)						
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: SOUTH CAROLINA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Greenville	* G&EL Co	1890	*	C,W	(10)					Lowe					
			1900	*	C,W	6				6	"					
			1910	*	C,W	17				17	"					
			1920	*	C,W	34				34	"					
			1930	*	C,W	165	6			171	"					
			1940	D												
			1950	*	C,W	310				310	Lowe					
			AVERAGES:			106	6			108						
6	Spartanburg	* GEL&P Co	1890	*	C	(6)										
			1900	*	C	(15)										
			1910	*	C	12				12						
			1920	*	C	55				55						
			1930	*	C	99				99		(2)	95			
			1940	D												
			1950	*												
			AVERAGES:			55				55			95			
7	Anderson	* G Co	1890													
			1900													
			1910	*	W		?									Under construction
			1920	*	W		15			15						
			1930	*	CW		33			33			16			
			1940	*	CW		34			34			15			
			1950	N												
			AVERAGES:				27			27			16			
8	Sumter	* G&L Co	1890													
			1900													
			1910	*	W		?									
			1920	*	W		31			31			(2)			
			1930	*	CW		33			33			13			
			1940	*	CW		39			39			13			
			1950	*	CW		74			74						
			AVERAGES:				44			44			13			

(continued)

TABLE B-1 (continued)

STATE: SOUTH CAROLINA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Florence	* G Co	1890													
			1900													
			1910													
			1920	*	CW		20			20						
			1930	*	CW		(10)									
			1940	O												
			1950	O												
			AVERAGES:				20			20						
10	Rockhill	* G Co	1890													
			1900													
			1910													
			1920	*	W		18			18						
			1930	O												
			1940	*	CW		24			24						
			1950	O												
			AVERAGES:				21			21						
11	Greenwood	G&F Co	1890													
			1900													
			1910													
			1920													
			1930	*	CW		2			2						
			1940	*	CW		15			15						
			1950	N												
			AVERAGES:				9			9						

(continued)

TABLE B-1 (continued)

STATE: SOUTH DAKOTA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Aberdeen	* L & Fuel Co	1890	*	W		(8)				Lowe(S)					
			1900	*	W		6			6	*					
			1910	*	W		40			40	*					
			1920	*	W		57			57	*					
			1930	*	W		?				*					
			1940	*	CW		97			97	*					
			1950	N												
			AVERAGES:				50			50						
2	Pierre	* G & Fuel Co	1890	*	W		50			50	Lowe(S)					
			1900	*	W		5			5	*					
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				32			32						
3	Rapid City	* G & E Co	1890	*	C	(3.5)										
			1900	0												
			1910	*	C	5				5						
			1920	*	C	8				8						
			1930	0												
			1940	0												
			1950	-												
			AVERAGES:			7				7						
4	Sioux Falls	* GL Co	1890	*	W		10			10	Lowe(S)					
			1900	*	W		17			17	*					
			1910	*	W		51			51	*					
			1920	*	W		157			157	*		(0.6)			
			1930	*	CW		212			212	*					
			1940	N												
			1950	N												
			AVERAGES:				89			89						

(continued)

TABLE B-1 (continued)

STATE: SOUTH DAKOTA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Watertown	* Heating P & L Co	1890	*	?											
			1900	O												
			1910	O												
			1920	*	W		17			17	Tenney					
			1930	*	W		31			31	"					
			1940	*	CW		29			29	"					
			1950	N												
			AVERAGES:				26			26						
6	Yankton	* B & E Co	1890													
			1900	*	?											
			1910	O												
			1920	*	W		6			6	Tenney					
			1930	*	W		14			14	"					
			1940	*	W		20			20	"					
			1950	N												
			AVERAGES:				13			13						
7	Deadwood	Lead-Deadwood GL & F Co	1890													
			1900													
			1910	*	W		30			30	Tenney					
			1920	*	C,W	10	10			20	"					
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:			10	20			25						
8	Dell Rapids	* City Gas Works	1890													
			1900													
			1910	*	W		8			8	Tenney					
			1920	*	W		8			8	"					
			1930	*	CW		4			4	"					
			1940	O												
			1950	O												
			AVERAGES:				7			7						

(continued)

TABLE B-1 (continued)

STATE: SOUTH DAKOTA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS********* Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	De Smet	* Gas Plant	1890													
			1900													
			1910	*	O			2		2						
			1920	O												
			1930	O												
			1940	-												
			1950													
			AVERAGES:					2		2						
10	Huron	* L & P Co	1890													
			1900													
			1910	*	W		8			8	Lowe					
			1920	*	W		26			26	"					
			1930	*	W		61			61	"					
			1940	*	W		71			71	"					
			1950	N												
			AVERAGES:				42			42						
11	Mitchell	* P Co	1890													
			1900													
			1910	*	W		(10)				Lowe					
			1920	*	W		26			26	"					
			1930	*	W		41			41	"					
			1940	*	W		64			64	"		7			
			1950	*	W		105			105	"					
			AVERAGES:				59			59						

(continued)

TABLE B-1 (continued)

STATE: TENNESEE

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Brownsville	Gas,Coal&Coke Co	1890	*	C	(2.5)										
			1900	I												
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
2	Chattanooga	" GL Co	1890	*	C	50				50						
			1900	*	C	45				45						
			1910	*	C	139				139						
			1920	P												
			1930	P												
			1940	P												
			1950	-												
			AVERAGES:			78				78						
3	Clarksville	" GL Co	1890	*	C	3				3						
			1900	*	C	8				8						
			1910	*	C	9				9						
			1920	*	C	7				7						
			1930	*	C	16				16		1	16			
			1940	O												
			1950	O												
			AVERAGES:			9				9		1	16			
4	Columbia	" G Co	1890	*	W		(3)									
			1900	*	W		0			0						
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				0			0						

(continued)

TABLE B-1 (continued)

STATE: TENNESEE

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Jackson	Citizen's G.L Co	1890	*	C	15				15						
			1900	*	C	(18)										
			1910	*	C	27				27						
			1920	*	C	58				58						
			1930	*	C,W	61	712			773						
			1940	N												
			1950	N												
			AVERAGES:			38	712			216						
6	Knoxville	" G.L Co	1890	*	C,W	40				40	Lowe					
			1900	*	C,W	58				58	"					
			1910	*	C,W	119				119	"					
			1920	*	C,W	214	6			220	"	(5)	(6)		(-)	
			1930	*	C,W	248	71			319	"	(8)	251			
			1940	*	C,W	300	32			332	"	(3)	291			
			1950	*	W		507			507	"					
			AVERAGES:			162	154			227			276			
7	Memphis	Equitable G.L Co	1890	*	W		80			80	Jerman.					
			1900	*	W		160			160	Lowe (S)					
			1910	*	W		1,500			1,500	"					
			1920	*	W		710			710	"					
			1930	*	W		30			30	"					
			1940	N												
			1950	N												
			AVERAGES:				496			496						
8	Memphis	" G.L Co	1890	*	W		(80)									Cons. w/Equitable (Memphis)
			1900	C												
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: TENNESSEE

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Murfreesboro	* GL Co	1890	*	C	(5)										
			1900	*	C	?										
			1910	I												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
10	Nashville	* GL Co	1890	*	C	100				100						
			1900	*	C	133				133						
			1910	*	C	300				300						
			1920	*	C	400				400		(10)	(-)	(-)		
			1930	*	C,W	363	270			633		24	524	56		
			1940	*	C,W	392	345			737		16	415			
			1950	N												
			AVERAGES:			281	308			384		20	470	56		
11	Pulaski	* G Co	1890	*	W		?									
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
12	Union City	Beck, Branford&Co	1890	*	?					(4)						
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: TENNESSE

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13	Bristol	* G&E Co	1890													
			1900	*	C	3				3						
			1910	*	C	14				14						
			1920	*	C	25				25						
			1930	*	C	92				92		(2)	77			
			1940	N												
			1950	N												
			AVERAGES:			34				34			77			
14	Gallatin	* G. Co	1890													
			1900	*	?											
			1910	N												
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:													
15	Johnson City	Washington County G Co	1890													
			1900													
			1910													
			1920	*	C,W	14	5			19		1	15			
			1930	*	C,CW	69	216			285		3	61			
			1940	*	C	86				86		(2)	(-)			
			1950	N												
			AVERAGES:			56	111			130		2	38			

(continued)

TABLE B-1 (continued)

STATE: TEXAS

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Austin	" GL & Coal Co	1890	*	C	(16)										
			1900	X												
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
2	Austin	Capital GL Co	1890	*	W		20			20						
			1900	0												
			1910	0												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				20			20						
3	Brenham	" G Co	1890	*	W		(8)									
			1900	0												
			1910	0												
			1920	*	W		8			8						
			1930	0												
			1940	0												
			1950	-												
			AVERAGES:				8			8						
4	Colorado	" GL Co	1890	*	?					(4)						
			1900	0												
			1910	0												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													

(continued)

TABLE B-1 (continued)

STATE: TEXAS

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Corsicana	* GL Co	1890	*	W		4			4	Van Steenburg					
			1900	O												
			1910	O												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				4			4						
6	Dallas	Dallas City GL Co	1890	*	C	40				40						
			1900	*	C,W	35				35	Lowe					
			1910	*	C,W	80	80			160	*					
			1920	N												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			52	80			78						
7	Denison	* L&P Co	1890	*	C	(17)										
			1900	*	C	1				1						
			1910	*	C	20				20						
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:			11				11						
8	El Paso	* G,Coal,&Coke Co	1890	*	C	(10)										
			1900	*	C	12				12						
			1910	*	C,W	34	66			100	Lowe					
			1920	*	C,W	128	223			351	*	7	140			
			1930	N												
			1940	N												
			1950	N												
			AVERAGES:			58	145			154		7	140			

(continued)

TABLE B-1 (continued)

STATE: TEXAS

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				MISCELLANEOUS INFORMATION
						Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	
9	Fort Worth	* L&P Co	1890	*	C	(30)										
			1900	*	C	25				25						
			1910	*	C	88				88						
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:			57				57						
10	Gainesville	* L&F Co	1890	*	C	(10)										
			1900	*	C	5				5						
			1910	*	W		13			13	Lowe					
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:			5	13			9						
11	Galveston	* G Co	1890	*	C	25				25						
			1900	*	C	30				30						
			1910	*	C	51				51	Lowe					
			1920	*	C	171				171	"					
			1930	N												
			1940	N												
			1950	N												
			AVERAGES:			69				69						
12	Houston	* GL Co	1890	*	C	(40)										
			1900	*	C	30				30						
			1910	*	W		235			235	Lowe					
			1920	*	W		870			870	"		144			
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:			30	553			378						

(continued)

TABLE B-1 (continued)

STATE: TEXAS

NO. CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13 Jefferson	* GL Co	1890	*	O			(4)								Oil and wood feedstock
		1900	O												
		1910	O												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:													
14 Marshall	* L&P Co	1890	*	W		3			3	Sutherland					
		1900	I												
		1910	-												
		1920	-												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:				3			3						
15 Paris	* G&EL Co	1890	*	C	1				1						
		1900	*	C	3				3						
		1910	*	C	8				8						
		1920	*	C	30				30						
		1930	O												
		1940	O												
		1950	-												
		AVERAGES:			11				11						
16 San Antonio	* G Co	1890	*	C	24				24						
		1900	*	C	17				17						
		1910	*	C,W	113				113	Lowe					
		1920	*	C,W	728				728	"					
		1930	O												
		1940	O												
		1950	-												
		AVERAGES:			221				221						

(continued)

TABLE B-1 (continued)

STATE: TEXAS

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
17	Sherman	* GL Co	1890	*	C	10				10						
			1900	*	C	10				10						
			1910	*	C	32				32						
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:			17				17						
18	Waco	* G Co	1890	*	C	(25)										
			1900	*	C	15				15						
			1910	*	C	30				30						
			1920	N												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			23				23						
19	Austin	* G Co	1890													
			1900	*	C	15				15						
			1910	*	W		52			52	Lowe					
			1920	*	W		125			125	"					
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:			15	89			64						
20	Abilene	* GLF&P Co	1890													
			1900													
			1910	*	W		10			10	Lowe					
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:				10			10						

(continued)

TABLE B-1 (continued)

STATE: TEXAS

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
21	Amarillo	* G Co	1890													
			1900													
			1910	*	W		17			17	Lowe					
			1920	N												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				17			17						
22	Beaumont	* G Co	1890													
			1900													
			1910	*	W		35			35	Lowe					
			1920	*	W		166			166	"					
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:				101			101						
23	Brownwood	* G&E Co	1890													
			1900													
			1910	*	O			?			Beal's					Under construction
			1920	*	O			20		20	"					
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:					20		20						
24	Cleburne	* E&G Co	1890													
			1900													
			1910	*	C	7				7						
			1920	*	C	18				18						
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:			13				13						

(continued)

TABLE B-1 (continued)

STATE: TEXAS

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
25 Palestine	* LH&P Co	1890													
		1900													
		1910	*	W		20			20	Lowe					
		1920	*	W		20			20	"					
		1930	0												
		1940	0												
		1950	-												
		AVERAGES:				20			20						
26 San Angelo	* G Co	1890													
		1900													
		1910	*	O			11		11	Beal's					
		1920	*	O			9		9	"					
		1930	0												
		1940	0												
		1950	-												
		AVERAGES:					10		10						
27 Corpus Christi	* G Co	1890													
		1900													
		1910													
		1920	*	W		20			20	Lowe					
		1930	0												
		1940	0												
		1950	-												
		AVERAGES:				20			20						
28 Greenville	* G Co	1890													
		1900													
		1910													
		1920	*	C,W	24				24		1	100			
		1930	0												
		1940	0												
		1950	-												
		AVERAGES:			24				24		1	100			

(continued)

TABLE B-1 (continued)

STATE: TEXAS

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	BY-PRODUCTS Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
29	Port Arthur	* G&P Co	1890													
			1900													
			1910													
			1920	*	C,O	70		10		80						
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:			70		10		80						
30	Temple	* GL Co	1890													
			1900													
			1910													
			1920	*	W		31			31	Lowe					
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:				31			31						
31	Tyler	* G Co	1890													
			1900													
			1910													
			1920	*	W		9			9						
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:				9			9						
32	Waxahachie	* G Co	1890													
			1900													
			1910													
			1920	*	W		15			15						
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:				15			15						

(continued)

TABLE B-1 (continued)

STATE: UTAH

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS*********				
						Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Ogden	" L & Fuel Co	1890	*	C	18				18						
			1900	O												
			1910	*	C	7				7						
			1920	O												
			1930													
			1940													
			1950													
			AVERAGES:			13				13						
2	Salt Lake City	" Gas Co	1890	*	C,W	35				35						
			1900	*	C,W	72				72						
			1910	*	C,W	256	19			275	Lowe					
			1920	*	C,W	325	153			478	"					
			1930	N												
			1940	-												
			1950	-												
			AVERAGES:			172	86			215						
3	Provo	Utah Valley G & Coke Co	1890													
			1900													
			1910													
			1920	*	C	26				26		(1)	(1)			
			1930	P												
			1940	-												
			1950	-												
			AVERAGES:			26				26						

(continued)

TABLE B-1 (continued)

STATE: VERMONT

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Brattleboro	* G L Co	1890	*	W		6			6	Lowe					
			1900	*	W		5			5	*					
			1910	*	W		15			15	*					
			1920	*	W		24			24	*					
			1930	*	W		41			41	*					
			1940	O												
			1950	O												
			AVERAGES:				18			18						
2	Burlington	* G L Co	1890	*	W		10			10	Lowe					
			1900	*	W		20			20	*					
			1910	*	W		65			65	*					
			1920	*	W		117			117	*		80			
			1930	*	W		197			197	*					
			1940	*	CW		178			178	*					
			1950	*	CW		314			314	*					
			AVERAGES:				129			129			80			
3	Montpelier	* G L Co	1890	*	C,W	(3)					Lowe (H-C)					
			1900	*	C,W	4				4						
			1910	*	C,W	16				16						
			1920	*	C,W	24				24		1	30			
			1930	*	C	37				37		(2)	25			
			1940	*	C	30				30						
			1950	N												
			AVERAGES:			22				22		1	28			
4	Rutland	* G L Co	1890	*	C,W	0				0						
			1900	*	C,W	(15)										
			1910	*	C,W	27				27						
			1920	*	C,W	44	1			45						
			1930	*	C,W	39	70			109		(2)	47			
			1940	*	CW		97			97						
			1950	N												
			AVERAGES:			27	56			56			47			

(continued)

TABLE B-1 (continued)

STATE: VERMONT

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	St. Albans	* G L Co	1890	*	W		5			5	Lowe (G)					
			1900	*	W		6			6	"					
			1910	*	W		10			10	"					
			1920	*	W		12			12	"					
			1930	*	W		16			16	"					
			1940	O												
			1950	*	W		17			17						
			AVERAGES:				11			11						
6	St. Johnsbury	* G L Co	1890	*	?											
			1900	*	?											
			1910	*	W		10			10	Lowe					
			1920	*	W		19			19	"					
			1930	*	W		30			30	"					
			1940	O												
			1950	*	W		36			36	"					
			AVERAGES:				24			24						
7	Windsor	* G L Co	1890	*	O			1		1						
			1900	*	O			1		1						
			1910	X												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:					1		1						
8	Woodstock	* G L Co	1890	*	W		0			0	Butler					
			1900	*	W		1			1	Wilder					
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:				1			1						

(continued)

TABLE B-1 (continued)

STATE: VERMONT

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Barre	People's Lighting, H & P	1890													
			1900													
			1910	*	W		15			15	Lowe (Gu)					
			1920	*	W		20			20	"					
			1930	*	W		30			30	"					
			1940	0												
			1950	*	W		45			45						
			AVERAGES:				30			30						
10	Bennington		1890													
			1900													
			1910	*	W		8			8	Lowe (Gu)					
			1920	*	W		12			12	"					
			1930	*	W		39			39	"					
			1940	0												
			1950	0												
			AVERAGES:				20			20						
11	Springfield	" Gas Co	1890													
			1900													
			1910	*	W		7			7	Lowe(Gu)					
			1920	*	W		20			20	"		20			
			1930	*	W		19			19	"					
			1940	0												
			1950	*	W		44			44						
			AVERAGES:				23			23						
12	Rutland	Twin State Gas & E Co	1890													
			1900													
			1910													
			1920													
			1930													
			1940	*	W		98			98	Lowe					
			1950	N												
			AVERAGED:				98			98						

(continued)

TABLE B-1 (continued)

STATE: VIRGINIA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Alexandria	* Gas Works	1890	*	C	25				25						
			1900	*	C	24				24						
			1910	*	C	37				37						
			1920	*	C	57				57		(1)	(-)	(-)		
			1930	*	CW		93			93						
			1940	*	CW		67			67						
			1950	D												
			AVERAGES:			36	80			51						
2	Charlottesville	* GL Co	1890	*	C	1				1						
			1900	*	C	4				4						
			1910	*	C	17				17						
			1920	*	C	60				60		(0)	27	(-)		
			1930	*	C,W	12				12						
			1940	*	W		90			90						
			1950	*	W		250			250						
			AVERAGES:			19	170			62			27			
3	Danville	* Water & G Dept	1890	*	C	11				11						
			1900	*	C	27				27						
			1910	*	C	50				50						
			1920	*	C	93				93		(1)	21			
			1930	*	C,W	51	119			170		3	6			
			1940	*	CW		142			142			60			
			1950	*	CW		268			268						
			AVERAGES:			46	176			109		3	29			
4	Fredricksburg	Citizen's Gas Co	1890	*	C	2				2						
			1900	*	C	6				6						
			1910	*	C	15				15						
			1920	*	C	25				25		(1)				
			1930	*	C	42				42		(1)	26			
			1940	*	C	46				46		(2)	35			
			1950	*	CW		78			78						
			AVERAGES:			23	78			31			31			

(continued)

TABLE B-1 (continued)

STATE: VIRGINIA

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Lynchburg	" GL Co	1890	*	C	17				17						
			1900	*	C	12				12						
			1910	*	C	40				40						
			1920	*	C	122				122						
			1930	*	CW		185			185			40			
			1940	*	W		269			269						
			1950	N												
			AVERAGES:			40	227			108			40			
6	Norfolk	City Gas L of Norfolk	1890	*	C	50				50						
			1900	*	C,W	85				85	Lowe					
			1910	*	C,W	104	150			254	"					
			1920	*	C,W	128	299			427	"					
			1930	*	W		996			996	"		461			
			1940	*	W		997			997	"					
			1950	*	W		2,969			2,969	"		1,831			
			AVERAGES:			92	1,082			825			1,146			
7	Petersburg	" Gas Co	1890	*	C	15				15						
			1900	*	C	12				12						
			1910	*	C,W	38				38						
			1920	*	C,W	65	69			134	Lowe					
			1930	*	CW		134			134	"		66			
			1940	*	CW		156			156	"					
			1950	*	CW		270			270	"					
			AVERAGES:			33	157			108			66			
8	Portsmouth	" Gas Co	1890	*	C	7										
			1900	*	C	18				18						
			1910	*	C	56				56						
			1920	*	C,W	93	94			187	Lowe	(2)	29			
			1930	*	CW		252			252	"		42			
			1940	*	CW		288			288	"					
			1950	*	CW		612			612	"					
			AVERAGES:			56	310			234			36			

(continued)

TABLE B-1 (continued)

STATE: VIRGINIA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Richmond	* Gas Works	1890	*	C	100				100						
			1900	*	C,W	240				240						
			1910	*	C,W	182	304			486	Lowe					
			1920	*	C,W	195	725			920	"					
			1930	*	W		1,542			1,542	"		510			
			1940	*	W		1,300			1,300	"					
			1950	*	W		2,584			2,584	"					
			AVERAGES:			179	1,293			1,025			510			
10	Roanoke	* G & W Co	1890	*	C,W	(15)										
			1900	*	C,W	9				9						
			1910	*	C,W	57				57						
			1920	*	C,W	116	79			195						
			1930	*	C,W	240	124			364		(6)	277			
			1940	*	C,W	402	38			440		(6)	(-)			
			1950	*	C,W	442	504			946		18	551			
			AVERAGES:			211	186			325		18	414			
11	Staunton	* Gas Co	1890	*	C	11				11						
			1900	*	C	11				11						
			1910	*	C	29				29						
			1920	*	C	37				37						
			1930.	*	W		42			42						
			1940	N												
			1950	N												
			AVERAGES:			22	42			26						
12	Suffolk	* Gas Co	1890	*	W		(4)									
			1900	0												
			1910	*	W		6			6						
			1920	*	W		24			24			(2)			
			1930	*	W		44			44			19			
			1940	*	W		42			42						
			1950	N												
			AVERAGES:				29			29						

(continued)

TABLE B-1 (continued)

STATE: VIRGINIA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu. ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13	Winchester	" Gas Co	1890	*	C	3				3						
			1900	*	C	3				3						
			1910	*	C	9				9						
			1920	*	C	13				13						
			1930	*	C	32				32						
			1940	*	C	29				29		(0.7)	29			
			1950	0												
			AVERAGES:			15				15			29			
14	Newport News	" Gas Co	1890													
			1900	*	C	25				25						
			1910	*	C,W	37				37	Lowe					
			1920	*	C,W	104	200			304	"	7	125	22		
			1930	*	W		287			287	"					
			1940	*	W		315			315	"					
			1950	0												
			AVERAGES:			55	267			194		7	125	22		
15	Staunton	City Gas Co	1890													
			1900	*	C	8				8						
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			8				8						
16	Hampton	, Phoebus & Ft. Monroe	1890													
			1900													
			1910	*	W		21			21						
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:				21			21						

(continued)

TABLE B-1 (continued)

STATE: VIRGINIA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				MISCELLANEOUS INFORMATION
						Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	
17	Rosslyn	* E & G Co	1890													
			1900													
			1910	*	W											Under construction
			1920	*	W		31			31						
			1930	P												
			1940	O												
			1950	O												
			AVERAGES:				31			31						
18	Richmond	Henrico Co G Co	1890													
			1900													
			1910													
			1920	*	C	77				77			(18)			
			1930	O												
			1940	O												
			1950	O												
			AVERAGES:			77				77						

(continued)

TABLE B-1 (continued)

STATE: WASHINGTON

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Olympia	* G & E L Co	1890	*	C	4				4						
			1900	X												
			1910	-												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			4				4						
2	Port Townsend	* G & Fuel Co	1890	*	C	(7)										
			1900	*	C	2				2						
			1910	*	C	3				3						
			1920	*	C	4				4						
			1930	O												
			1940	N												
			1950	-												
			AVERAGES:			3				3						
3	Seattle		1890	*	C	27				27						
			1900	*	C	85				85						
			1910	*	C,W	270	405			675	Lowe					
			1920	*	C,W	877	609			1,486	*					
			1930	*	W,Coke		1,414		661	2,075	*	(35)	547	520		
			1940	*	W,O		811	1,663		2,474	*		1,787			
			1950	*	W,O		532	3,837		4,369	*		2,157			
			AVERAGES:			315	754	2,750	661	1,599			1,497	520		
4	Spokane Falls		1890	*	C,W	(20)										
			1900	*	C,W	30				30						
			1910	*	C,W	100				100						
			1920	*	C,W	257	33			290		(5)	(-)			
			1930	*	C,W	260	140			400		(10)	237			
			1940	*	C,W	278	76			354						
			1950	N												
			AVERAGES:			201	86			252			237			

(continued)

TABLE B-1 (continued)

STATE: WASHINGTON

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
						Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Takoma	* L & W Co	1890	*	C	20				20						
			1900	*	C	23				23						
			1910	*	C,W	49	74			123	Lowe					
			1920	*	C,W	144	268			412	*	(-)	(-)	(-)		
			1930	*	W		553			553	*		332			
			1940	*	W		717			717	*					
			1950	*	W		1,296			1,296	*					
			AVERAGES:			59	582			449			332			
6	Walla Walla	* G & E Co	1890	*	C	4				4						
			1900	*	C	5				5						
			1910	*	C	17				17						
			1920	*	C	?										
			1930	*	C	52				52						
			1940	*	C,W,O	100	89	40		309		(5)	135			
			1950	*	W,O		120	96		216						
			AVERAGES:			52	105	68		181			135			
7	Fairhaven	Bellingham Bay Gas Co	1890													
			1900	*	C,W	11				11	Lowe					
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			11				11						
8	Aberdeen	Grey's Harbor Gas Co	1890													
			1900													
			1910	*	C,W	22				22						
			1920	*	C,W	50				50						
			1930	*	C,W	28	54			82		(0.6)	83			
			1940	0												
			1950	0												
			AVERAGES:			33	54			51			83			

(continued)

TABLE B-1 (continued)

STATE: WASHINGTON

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)						*******BY-PRODUCTS********				
						Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Everett	Northwest L & P Co	1890													
			1900													
			1910	*	W		18			18						
			1920	*	W		57			57						
			1930	*	W		82			82			90			
			1940	O												
			1950	O												
			AVERAGES:				52			52			90			
10	Vancouver	Independent L & W Co	1890													
			1900													
			1910	*	O			(6)								
			1920	P												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:													
11	North Yakima	Northwestern Corp.	1890													
			1900													
			1910	*	C	(8)										
			1920	*	C	64				64		(2)	(6)			
			1930	*	C	84				84						
			1940	O												
			1950	O												
			AVERAGES:			74				74						
12	Auburn	Valley Gas Co	1890													
			1900													
			1910													
			1920	*	?	6				6						Wood feedstock
			1930	O												
			1940	O												
			1950	-												
			AVERAGES:			6				6						

(continued)

TABLE B-1 (continued)

STATE: WASHINGTON

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13	Centralia	N. Pacific Pub. Serv.	1890													
			1900													
			1910													
			1920	*	C	19				19		(1)	(1)			
			1930	0												
			1940	0												
			1950	-												
			AVERAGES:			19				19						
14	Portland	Pacific P & L Co	1890													
			1900													
			1910													
			1920	*	C	40				40		(1)	12			
			1930	0												
			1940	0												
			1950	-												
			AVERAGES:			40				40			12			
15	Wenatchee	Central Washington G Co	1890													
			1900													
			1910													
			1920	*	W		13			13						
			1930	*	CW		23			23						
			1940	*	CW		12			12						
			1950	N												
			AVERAGES:				16			16						
16	Chehalis	Wash. G & E Co	1890													
			1900													
			1910													
			1920													
			1930	*	C	38				38		(1.3)	95			
			1940	0												
			1950	0												
			AVERAGES:			38				38			95			

(continued)

TABLE B-1 (continued)

STATE: WASHINGTON

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
17	Bremerton	Western Gas Co at Wash.	1890													
			1900													
			1910													
			1920													
			1930													
			1940													
			1950	*	W		65			65						
			AVERAGES:				65			65						
18	Bellingham	Whatcom County Rail.	1890													
			1900													
			1910	*	C,W	37	8			45	Lowe					
			1920	*	C,W	39	14			53	*	(1)	(7)			
			1930	*	W		83			83	*		34			
			1940	*	CW		73			73	*		48			
			1950	0												
			AVERAGES:			38	45			63			41			

(continued)

TABLE B-1 (continued)

STATE: WEST VIRGINIA

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	BY-PRODUCTS Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Charleston	* G&E Co	1890	*	C	9				9						
			1900	*	C	13				13						
			1910	0												
			1920	0												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			11				11						
2	Charlestown	* G&W Co	1890	*	W		(2)				Lowe					
			1900	*	W		2			2	"					
			1910	*	W		4			4	"					
			1920	*	W		5			5	"					
			1930	*	W		5			5	"					
			1940	*	W		7				"					
			1950	*	W		7				"					
			AVERAGES:				4			4						
3	Clarksburg	* G Co	1890	*	C	(2.5)										
			1900	*	C	(3)										
			1910	*	C	(10)										
			1920	0												
			1930	0												
			1940	-												
			1950	-												
			AVERAGES:													
4	Grafton	* G Co	1890	*	C	5				5						
			1900	*	C	10				10						
			1910	I												
			1920	-												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			8				8						

(continued)

TABLE B-1 (continued)

STATE: WEST VIRGINIA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Martinsburg	" G Co	1890	*	C	2				2						
			1900	*	C	3				3						
			1910	*	W		8			8	Lowe					
			1920	*	W		27			27	"					
			1930	*	W		42			42	"					
			1940	?	W		56			56	"		16			
			1950	N												
			AVERAGES:			3	33			23			16			
6	Parkersburg	" G Co	1890	*	C	(12)										
			1900	*	C	9				9						
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			9				9						
7	Wheeling	City G Works	1890	*	C	(35)										
			1900	*	C	135				135						
			1910	*	C	350				350						
			1920	O												
			1930	O												
			1940	-												
			1950	-												
			AVERAGES:			243				243						
8	Huntingdon	Consolidated L&Rail Co	1890													
			1900	*	C	8				8						
			1910	O												
			1920	O												
			1930	-												
			1940	-												
			1950	-												
			AVERAGES:			8				8						

(continued)

TABLE B-1 (continued)

STATE: WEST VIRGINIA

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
9	Bluefield	* G&P Co	1890													
			1900													
			1910													
			1920	*	C	29				29		(8)	(-)			
			1930	*	C	65				65		(2)	66			
			1940	*	C	67				67		(1.3)	68			
			1950	N												
			AVERAGES:			54				54			63			

(continued)

TABLE B-1 (continued)

STATE: WISCONSIN

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1 Appleton	" GL Co	1890	*	C	(13)										
		1900	*	C,W	12				12	Lowe					
		1910	*	C,W	54	6			60	"					
		1920	*	C,W	89	46			135	"	(4)	(-)	(-)		
		1930	*	C	305				305		16	824	30		
		1940	*	C	242				242						
		1950	*	W		287			287			862			
		AVERAGES:			140	113			174		16	243	30		
2 Ashland	" Lighting Co	1890	*	W		12			12	Lowe					
		1900	*	W		8			8	"					
		1910	*	W		17			17	"					
		1920	*	W		17			17	"					
		1930	*	W		40			40	"					
		1940	*	W		46			46	"					
		1950	N												
		AVERAGES:				23			23						
3 Baraboo	" G & EL Co	1890	*	O			(6)								
		1900	*	O			(6)			Patton					
		1910	*	C	9				9						
		1920	*	C	19				19		2	33			
		1930	*	C	29				29						
		1940	O												
		1950	O												
		AVERAGES:			19				19		2	33			
4 Beloit	" G L & Coke Co	1890	*	C	5				5						
		1900	*	C	6				6						
		1910	*	C,W	33	14			47						
		1920	*	W		133			133			68			
		1930	*	W		246			246						
		1940	*	C,CW	51	707			758		(1)	619			
		1950	*	CW		651			651			424			
		AVERAGES:			24	350			264			370			

(continued)

TABLE B-1 (continued)

STATE: WISCONSIN

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
5	Chippewa Falls	" GL Co	1890	*	W		5			5	Lowe (G)					
			1900	*	W		5			5	"					
			1910	*	W		6			6	"					
			1920	*	W		21			21	"					
			1930	*	W		1			1	"					
			1940	*	W		1			1	"					
			1950	N												
			AVERAGES:				7			7						
6	Ean Claire	" Gas Co	1890	*	C	(25)										
			1900	*	C,W	12				12						
			1910	*	C	41				41						
			1920	*	C	61				61		4	62			
			1930	*	C	109				109		(3)	118			
			1940	*	C	135				135		(3)	141			
			1950	N												
			AVERAGES:			72				72		4	107			
7	Fond du Lac	" Gas Co	1890	*	C	4				4						
			1900	*	C	10				10						
			1910	*	C	45				45						
			1920	*	C,W	104	1			105		(2)	(6)	(-)		
			1930	*	C,W	284	9			293						
			1940	O												
			1950	O												
			AVERAGES:			89	5			91						
8	Green Bay	" L & Fuel Co	1850	*	C	5				5						
			1900	*	C,W	12				12	Sutherland					
			1910	*	C	50				50						
			1920	*	C,W	111				111		(2)	52			
			1930	*	C,W	121	202			323		(4)	207			
			1940	*	W		342			342						
			1950	*	W		441			441			230			
			AVERAGES:			60	328			183			163			

(continued)

TABLE B-1 (continued)

STATE: WISCONSIN

NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/ PROCESS	*******BY-PRODUCTS*********				MISCELLANEOUS INFORMATION
						Coal	Water	Oil	Coke	Total		Coke	Tar	Ammonia	Other	
9	Janesville	New Gas Light Co	1890	*	W		13			13	Lowe(S)					
			1900	*	W		26			26	•					
			1910	*	W		50			50	•					
			1920	*	W		84			84	•		(15)			
			1930	*	W		145			145	•		44			
			1940	O												
			1950	O												
			AVERAGES:				64			64			44			
10	Kenosha	* G, EL & Fuel Co	1890	*	W		5			5	Loomis					
			1900	*	W		24			24	Lowe					
			1910	*	W		77			77	•					
			1920	*	W		236			236	•					
			1930	P												
			1940	O												
			1950	O												
			AVERAGES:				86			86						
11	La Crosse	* GL Co	1890	*	C	16				16						
			1900	*	C	22				22						
			1910	*	C	66				66						
			1920	*	C,W	120	20			140		(4)		(-)		
			1930	*	C,W	120	20			140		(4)	164			
			1940	*	C,W	52	109			161		(0.6)	154			
			1950	*	W		263			263			112			
			AVERAGES:			66	107			118						
12	Madison	* G L & Coke Co	1890	*	W		13			13	Lowe(G)					
			1900	*	W		40			40	•					
			1910	*	W		125			125	•					
			1920	*	W		316			316	•					
			1930	*	W		906			906	•		264			
			1940	*	W		1,012			1,012	•		340			
			1950	N												
			AVERAGES:				402			402						

(continued)

TABLE B-1 (continued)

STATE: WISCONSIN

NO. CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	********BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
13 Marinette	" GL Co	1890	*	O			(9)			Patton					
		1900	*	O			(16)			"					
		1910	*	C	11				11						
		1920	O												
		1930	O												
		1940	-												
		1950	-												
		AVERAGES:			11				11						
14 Milwaukee	" G L Co	1890	*	C,W	(200)					Lowe					
		1900	*	C,W	1,000				1,000	"					
		1910	*	C,W	2,530				2,530	"					
		1920	*	C,W	4,650				4,650	"					
		1930	*	C,W	1,600	1,729			3,329	"					
		1940	*	CW		1,755			1,755	"					
		1950	N												
		AVERAGES:			2,445	1,742			2,653						
15 Neenah	" & Menasha G & E Co	1890	*	O			(10)			Patton					
		1900	*	O			(12)			"					
		1910	O												
		1920	O												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:													
16 Oshkosh	" GL Co	1890	*	C	(30)										
		1900	*	C	30				30						
		1910	*	C,W	75				75						
		1920	*	C,W	61	81			142		(3)	58			
		1930	*	C,W	78	187			265		(2)	154			
		1940	*	W		274			274			(40)			
		1950	*	W		532			532			336			
		AVERAGES:			61	269			220			183			

(continued)

TABLE B-1 (continued)

STATE: WISCONSIN

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
17 Portage	* American Gas Co	1890	*	C	(6)										
		1900	*	C	7				7						
		1910	*	C	18				18						
		1920	*	C	27				27		(0.4)	(-)			
		1930	*	C	33				33		(0.5)	37			
		1940	0												
		1950	0												
		AVERAGES:			21				21			37			
18 Racine	Wisconsin G & E Co	1890	*	C	1				1						
		1900	*	C	45				45						
		1910	*	C	195				195						
		1920	*	C	792				792						
		1930	*	C,W	2,200	120			2,320		114	2,260	667		
		1940	*	C	2,273				2,273		(30)	2,530	597		
		1950	*	C,W	2,112	540			2,660		108	2,077			
		AVERAGES:			1,088	330			1,185		111	2,289	632		
19 Ripon	* Lighting Co	1890	*	O			(4)								
		1900	*	O			2		2						
		1910	*	O			5		5	Patton					
		1920	*	O			5		5	"					
		1930	*	W		16			16						
		1940	0												
		1950	0												
		AVERAGES:				16	4		7						
20 Sheboygan	* National G Co	1890	*	C,W	7				7	Lowe(S)					
		1900	*	C,W	11				11	"					
		1910	*	C,W	33				33	"					
		1920	*	C,W	91	4			95	"	(1)	(-)	(0.2)		
		1930	*	C,W	151	262			413	"	(4)	194			
		1940	*	Coke				384	384		20	317			
		1950	*	Coke				486	486		27	384			
		AVERAGES:			59	133		435	204		24	298			

(continued)

TABLE B-1 (continued)

STATE: WISCONSIN

					GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO. CITY		YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
21 Stevens Point	" Lighting Co	1890	*	C	(9)										
		1900	*	C,W	(10)					Sutherland					
		1910	*	C	11				11						
		1920	*	C	8				8		(0.4)	(-)			
		1930	*	C	42				42		(0.5)	50			
		1940	*	C	56				56		(1.3)	62			
		1950	N												
		AVERAGES:			29				29			56			
22 Superior	" W, L & P Co	1890	*	W		15			15	Lowe(S)					
		1900	*	W		14			14	"					
		1910	*	Coke				54	54						
		1920	*	Coke				125	125						
		1930	P												
		1940	P												
		1950	0												
		AVERAGES:				15		90	52						
23 Watertown	" Gas Co	1890	*	C	4				4						
		1900	*	C	6				6						
		1910	*	C	25				25						
		1920	*	C	30				30		(1)	(-)	(0)		
		1930	*	C	60				60						
		1940	0												
		1950	0												
		AVERAGES:			25				25						
24 Waukesha	" American Gas Co	1890	*	C	6				6						
		1900	*	C	14				14						
		1910	*	C	33				33						
		1920	*	C	86				86	(2)					
		1930	*	W		9			9						
		1940	0												
		1950	0												
		AVERAGES:			35	9			30						

(continued)

TABLE B-1 (continued)

STATE: WISCONSIN

NO. CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
25 Wausau	* G L & Coke Co	1890	*	C	4				4						
		1900	*	C	12				12						
		1910	*	C	25				25						
		1920	*	C	37				37						
		1930	*	C	78				78		(1)	78			
		1940	*	C	88				88						
		1950	*	C	143				143		4	104			
		AVERAGES:			55				55		4	91			
26 River Falls	* L, H & D Co	1890													
		1900	*	O			2		2						
		1910	D												
		1920	D												
		1930	-												
		1940	-												
		1950	-												
		AVERAGES:					2		2						
27 Antigo	* Gas Co	1890													
		1900													
		1910	*	W		?				Lowe					
		1920	*	W		13			13	"		6			
		1930	*	W		19			19	"					
		1940	*	W		19			19	"		6			
		1950	N												
		AVERAGES:				17			17			6			
28 Beaver Dam	* F & L Co	1890													
		1900													
		1910	*	W		4			4						
		1920	*	W		28			28						
		1930	*	W		6			6						
		1940	D												
		1950	D												
		AVERAGES:				13			13						

(continued)

TABLE B-1 (continued)

STATE: WISCONSIN

NO. CITY	COMPANY	YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
29 Berlin	" Gas Co	1890													
		1900													
		1910	*	C	8				8						
		1920	*	C	10				10		1	13			
		1930	*	C	22				22		1	26			
		1940	0												
		1950	0												
		AVERAGES:			13				13		1	20			
30 Burlington	Citizen's Gas Co	1890													
		1900													
		1910	*	C,W	6				6	Lowe					
		1920	*	C,W	12				12	"					
		1930	*	W		78			78	"		62			
		1940	*	W		121			121	"		60			
		1950	N												
		AVERAGES:			9	100			54			61			
31 Fort Atkinson	" Gas Co	1890													
		1900													
		1910	*	W		(4)									
		1920	*	W		2			2						
		1930	*	W		46			46						
		1940	0												
		1950	0												
		AVERAGES:				24			24						
32 Manitowoc	" G L Co	1890													
		1900													
		1910	*	C	30				30						
		1920	*	C	53				53		4	50			
		1930	*	C	125				125		1	111			
		1940	*	C	113				113		(2)	92			
		1950	M												
		AVERAGES:			82				82		3	84			

(continued)

TABLE B-1 (continued)

STATE: WISCONSIN

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
33	Menomonic	* L & F Co	1890													
			1900													
			1910	*	W		5			5						
			1920	*	W		10			10						
			1930	*	W		11			11						
			1940	O												
			1950	O												
			AVERAGES:				9			9						
34	Merrill	* G Co	1890													
			1900													
			1910	*	W		(10)				Lowe					
			1920	O												
			1930	*	CW		1			1	Lowe					
			1940	*	CW		10			10	"					
			1950	N												
			AVERAGES:				6			6						
35	Monroe	* L & F Co	1890													
			1900													
			1910	*	W		(6)				Lowe					
			1920	*	W		13			13	"					
			1930	*	W		23			23	"					
			1940	O												
			1950	O												
			AVERAGES:				18			18						
36	Platteville	* Gas Co	1890													
			1900													
			1910	*	C	(7)										
			1920	*	C	11				11						
			1930	*	C	10				10		(0.4)	11			
			1940	O												
			1950	O												
			AVERAGES:			11				11						

(continued)

TABLE B-1 (continued)

STATE: WISCONSIN

						GAS PRODUCTION RATE (MM cu.ft./YR)					GASIFIER/	*******BY-PRODUCTS********				
NO.	CITY	COMPANY	YEAR	STATUS	GAS TYPE	Coal	Water	Oil	Coke	Total	PROCESS	Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
37	Rhinelander	Oneida Gas Co	1890													
			1900													
			1910	*	W		(6)				Lowe					
			1920	*	W		8			8	"					
			1930	*	W		(7)				"					
			1940	*	W		20			20	"					
			1950	N												
			AVERAGES:				14			14						
38	Staughton	" L & F Co	1890													
			1900													
			1910	*	W		(12)				Lowe					
			1920	*	W		23			23	"					
			1930	*	W		19			19	"					
			1940	*	CW		14			14	"					
			1950	N												
			AVERAGES:				19			19						
39	Ashland	Michigan G & E Co	1890													
			1900													
			1910													
			1920													
			1930	*	C	106				106		5	107			
			1940	N												
			1950	N												
			AVERAGES:			106				106		5	107			
40	Marshfield	People's G Co	1890													
			1900													
			1910													
			1920													
			1930	*	CW		29			29						
			1940	*	CW		22			22			13			
			1950	N												
			AVERAGES:				26			26			13			

(continued)

TABLE B-1 (continued)

STATE: WISCONSIN

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	BY-PRODUCTS Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
41	Two Rivers	Wisc. Pub. Srvcs.	1890													
			1900													
			1910													
			1920													
			1930	*	W		31			31						
			1940	*	W		40			40						
			1950	N												
			AVERAGES:				36			36						
42	Amery	Wisc. Hydro. Elec. Co	1890													
			1900													
			1910													
			1920													
			1930	*	C,W	13	51			64						
			1940	N												
			1950	N												
			AVERAGES:			13	51			64						

(continued)

TABLE B-1 (continued)

STATE: WYOMING

NO.	CITY		YEAR	STATUS	GAS TYPE	GAS PRODUCTION RATE (MM cu.ft./YR) Coal	Water	Oil	Coke	Total	GASIFIER/ PROCESS	*******BY-PRODUCTS******** Coke	Tar	Ammonia	Other	MISCELLANEOUS INFORMATION
1	Cheyenne	City Gas Co	1890	*	C	8				8						
			1900	*	C	6				6						
			1910	*	C	11				11						
			1920	*	C	30				30		(1)				
			1930	0												
			1940	0												
			1950	-												
			AVERAGES:			14				14						
2	Laramie	" Gas Co	1890													
			1900													
			1910													
			1920													
			1930	*	CW		10			10						
			1940	0												
			1950	0												
			AVERAGES:				10			10						
3	Sheridan	" G & F Co	1890													
			1900													
			1910													
			1920													
			1930	*	C	17				17		1	11			
			1940	0												
			1950	0												
			AVERAGES:			17				17		1	11			